

Christian Brun-Buisson

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

122
papers

23,929
citations

61
h-index

133
g-index

133
ext. papers

26,987
ext. citations

10.3
avg, IF

6.14
L-index

#	Paper	IF	Citations
122	Surviving Sepsis Campaign: international guidelines for management of severe sepsis and septic shock: 2008. <i>Critical Care Medicine</i> , 2008 , 36, 296-327	1.4	6589
121	Surviving Sepsis Campaign: international guidelines for management of severe sepsis and septic shock: 2008. <i>Intensive Care Medicine</i> , 2008 , 34, 17-60	14.5	1302
120	Epidemiology and outcome of acute lung injury in European intensive care units. Results from the ALIVE study. <i>Intensive Care Medicine</i> , 2004 , 30, 51-61	14.5	1011
119	Use of procalcitonin to reduce patients' exposure to antibiotics in intensive care units (PRORATA trial): a multicentre randomised controlled trial. <i>Lancet, The</i> , 2010 , 375, 463-74	40	813
118	Outcomes of primary and catheter-related bacteremia. A cohort and case-control study in critically ill patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 163, 1584-90	10.2	777
117	Epidemiology of sepsis and infection in ICU patients from an international multicentre cohort study. <i>Intensive Care Medicine</i> , 2002 , 28, 108-21	14.5	676
116	The attributable morbidity and mortality of ventilator-associated pneumonia in the critically ill patient. The Canadian Critical Trials Group. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999 , 159, 1249-56	10.2	667
115	Tidal volume reduction for prevention of ventilator-induced lung injury in acute respiratory distress syndrome. The Multicenter Trial Group on Tidal Volume reduction in ARDS. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1998 , 158, 1831-8	10.2	619
114	Incidence, Risk Factors, and Outcome of Severe Sepsis and Septic Shock in Adults. <i>JAMA - Journal of the American Medical Association</i> , 1995 , 274, 968	27.4	585
113	Reversal of acute exacerbations of chronic obstructive lung disease by inspiratory assistance with a face mask. <i>New England Journal of Medicine</i> , 1990 , 323, 1523-30	59.2	499
112	Hydrocortisone plus Fludrocortisone for Adults with Septic Shock. <i>New England Journal of Medicine</i> , 2018 , 378, 809-818	59.2	381
111	Randomised comparison of thalidomide versus placebo in toxic epidermal necrolysis. <i>Lancet, The</i> , 1998 , 352, 1586-9	40	345
110	Extracorporeal membrane oxygenation for pandemic influenza A(H1N1)-induced acute respiratory distress syndrome: a cohort study and propensity-matched analysis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 187, 276-85	10.2	343
109	Diagnosis of catheter-related bacteraemia: a prospective comparison of the time to positivity of hub-blood versus peripheral-blood cultures. <i>Lancet, The</i> , 1999 , 354, 1071-7	40	331
108	Evidence-based clinical practice guideline for the prevention of ventilator-associated pneumonia. <i>Annals of Internal Medicine</i> , 2004 , 141, 305-13	8	328
107	Diagnosis of Central Venous Catheter-Related Sepsis. <i>Archives of Internal Medicine</i> , 1987 , 147, 873		315
106	Maximizing oxygen delivery in critically ill patients: a methodologic appraisal of the evidence. <i>Critical Care Medicine</i> , 1996 , 24, 517-24	1.4	293

105	Intestinal decontamination for control of nosocomial multiresistant gram-negative bacilli. Study of an outbreak in an intensive care unit. <i>Annals of Internal Medicine</i> , 1989 , 110, 873-81	8	270
104	Central venous catheter replacement strategies: a systematic review of the literature. <i>Critical Care Medicine</i> , 1997 , 25, 1417-24	1.4	270
103	Control of endemic methicillin-resistant <i>Staphylococcus aureus</i> : a cost-benefit analysis in an intensive care unit. <i>JAMA - Journal of the American Medical Association</i> , 1999 , 282, 1745-51	27.4	254
102	Outcomes of extubation failure in medical intensive care unit patients. <i>Critical Care Medicine</i> , 2011 , 39, 2612-8	1.4	251
101	Interventions to reduce colonisation and transmission of antimicrobial-resistant bacteria in intensive care units: an interrupted time series study and cluster randomised trial. <i>Lancet Infectious Diseases</i> , 2014 , 14, 31-39	25.5	245
100	Early corticosteroids in severe influenza A/H1N1 pneumonia and acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 183, 1200-6	10.2	241
99	Diagnosing pneumonia during mechanical ventilation: the clinical pulmonary infection score revisited. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003 , 168, 173-9	10.2	239
98	Discrepancies between perceptions by physicians and nursing staff of intensive care unit end-of-life decisions. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003 , 167, 1310-5	10.2	233
97	Acute cor pulmonale during protective ventilation for acute respiratory distress syndrome: prevalence, predictors, and clinical impact. <i>Intensive Care Medicine</i> , 2016 , 42, 862-870	14.5	227
96	Characteristics and determinants of outcome of hospital-acquired bloodstream infections in intensive care units: the EUROACT International Cohort Study. <i>Intensive Care Medicine</i> , 2012 , 38, 1930-45	14.5	226
95	Efficacy of handrubbing with alcohol based solution versus standard handwashing with antiseptic soap: randomised clinical trial. <i>BMJ, The</i> , 2002 , 325, 362	5.9	213
94	Diagnosis of nosocomial pneumonia in mechanically ventilated patients. Comparison of a plugged telescoping catheter with the protected specimen brush. <i>The American Review of Respiratory Disease</i> , 1991 , 143, 1055-61		208
93	Prospective, randomized trial of two antiseptic solutions for prevention of central venous or arterial catheter colonization and infection in intensive care unit patients. <i>Critical Care Medicine</i> , 1996 , 24, 1818-23	1.4	203
92	Influence of systemic inflammatory response syndrome and sepsis on outcome of critically ill infected patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003 , 168, 77-84	10.2	198
91	Prevalence and prognosis of cor pulmonale during protective ventilation for acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2013 , 39, 1725-33	14.5	190
90	Lower respiratory tract colonization and infection during severe acute respiratory distress syndrome: incidence and diagnosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997 , 156, 1092-8	10.2	158
89	Secular trends in nosocomial infections and mortality associated with noninvasive ventilation in patients with exacerbation of COPD and pulmonary edema. <i>JAMA - Journal of the American Medical Association</i> , 2003 , 290, 2985-91	27.4	157
88	Fever control using external cooling in septic shock: a randomized controlled trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 185, 1088-95	10.2	154

87	Spectrum of practice in the diagnosis of nosocomial pneumonia in patients requiring mechanical ventilation in European intensive care units. <i>Critical Care Medicine</i> , 2009 , 37, 2360-8	1.4	154
86	Systemic inflammatory response and progression to severe sepsis in critically ill infected patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 171, 461-8	10.2	142
85	Prevention of intravascular catheter-related infection with newer chlorhexidine-silver sulfadiazine-coated catheters: a randomized controlled trial. <i>Intensive Care Medicine</i> , 2004 , 30, 837-43	14.5	134
84	Diagnostic accuracy of Doppler renal resistive index for reversibility of acute kidney injury in critically ill patients. <i>Intensive Care Medicine</i> , 2011 , 37, 68-76	14.5	132
83	Influence of airway management on ventilator-associated pneumonia: evidence from randomized trials. <i>JAMA - Journal of the American Medical Association</i> , 1998 , 279, 781-7	27.4	130
82	Non-invasive ventilation for acute hypoxemic respiratory failure: intubation rate and risk factors. <i>Critical Care</i> , 2013 , 17, R269	10.8	127
81	Curbing methicillin-resistant <i>Staphylococcus aureus</i> in 38 French hospitals through a 15-year institutional control program. <i>Archives of Internal Medicine</i> , 2010 , 170, 552-9		119
80	Pulmonary hypertension and cor pulmonale during severe acute chest syndrome in sickle cell disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008 , 177, 646-53	10.2	119
79	B-type natriuretic peptide and weaning from mechanical ventilation. <i>Intensive Care Medicine</i> , 2006 , 32, 1529-36	14.5	113
78	Association between timing of intensive care unit admission and outcomes for emergency department patients with community-acquired pneumonia. <i>Critical Care Medicine</i> , 2009 , 37, 2867-74	1.4	109
77	A multicenter trial to compare blood culture with polymerase chain reaction in severe human sepsis. <i>Intensive Care Medicine</i> , 2010 , 36, 241-7	14.5	108
76	Tunneling short-term central venous catheters to prevent catheter-related infection: a meta-analysis of randomized, controlled trials. <i>Critical Care Medicine</i> , 1998 , 26, 1452-7	1.4	106
75	Risk factors for and prediction by caregivers of extubation failure in ICU patients: a prospective study. <i>Critical Care Medicine</i> , 2015 , 43, 613-20	1.4	103
74	Clinical impact and risk factors for colonization with extended-spectrum β -lactamase-producing bacteria in the intensive care unit. <i>Intensive Care Medicine</i> , 2012 , 38, 1769-78	14.5	101
73	Peripatetic health-care workers as potential superspreaders. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009 , 106, 18420-5	11.5	94
72	Pulmonary artery thrombosis during acute chest syndrome in sickle cell disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 184, 1022-9	10.2	88
71	Routine use of the Pneumonia Severity Index for guiding the site-of-treatment decision of patients with pneumonia in the emergency department: a multicenter, prospective, observational, controlled cohort study. <i>Clinical Infectious Diseases</i> , 2007 , 44, 41-9	11.6	83
70	Impact of humidification systems on ventilator-associated pneumonia: a randomized multicenter trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 172, 1276-82	10.2	82

69	Impairment of polymorphonuclear neutrophil functions precedes nosocomial infections in critically ill patients. <i>Critical Care Medicine</i> , 2002 , 30, 315-22	1.4	79
68	Decontamination Strategies and Bloodstream Infections With Antibiotic-Resistant Microorganisms in Ventilated Patients: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2018 , 320, 2087-2098	27.4	78
67	The costs of septic syndromes in the intensive care unit and influence of hospital-acquired sepsis. <i>Intensive Care Medicine</i> , 2003 , 29, 1464-71	14.5	75
66	Diagnosis of infection in sepsis: an evidence-based review. <i>Critical Care Medicine</i> , 2004 , 32, S466-94	1.4	69
65	Role of biomarkers in the management of antibiotic therapy: an expert panel review: I - currently available biomarkers for clinical use in acute infections. <i>Annals of Intensive Care</i> , 2013 , 3, 22	8.9	65
64	Left ventricular systolic dysfunction during septic shock: the role of loading conditions. <i>Intensive Care Medicine</i> , 2017 , 43, 633-642	14.5	64
63	Recombinant human activated protein C for adults with septic shock: a randomized controlled trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 187, 1091-7	10.2	61
62	French national program for prevention of healthcare-associated infections and antimicrobial resistance, 1992-2008: positive trends, but perseverance needed. <i>Infection Control and Hospital Epidemiology</i> , 2009 , 30, 737-45	2	61
61	Impact of mild hypoxemia on renal function and renal resistive index during mechanical ventilation. <i>Intensive Care Medicine</i> , 2009 , 35, 1031-8	14.5	60
60	Contribution of blinded, protected quantitative specimens to the diagnostic and therapeutic management of ventilator-associated pneumonia. <i>Chest</i> , 2005 , 128, 533-44	5.3	59
59	Circumstances of death in hospitalized patients and nurses' perceptions: French multicenter Mort-a-l'Hôpital survey. <i>Archives of Internal Medicine</i> , 2008 , 168, 867-75		58
58	Ventilator-associated pneumonia during weaning from mechanical ventilation: role of fluid management. <i>Chest</i> , 2014 , 146, 58-65	5.3	57
57	The association between colonization with carbapenemase-producing enterobacteriaceae and overall ICU mortality: an observational cohort study. <i>Critical Care Medicine</i> , 2015 , 43, 1170-7	1.4	57
56	Risk stratification of early admission to the intensive care unit of patients with no major criteria of severe community-acquired pneumonia: development of an international prediction rule. <i>Critical Care</i> , 2009 , 13, R54	10.8	54
55	Antibiotic management of suspected nosocomial ICU-acquired infection: does prolonged empiric therapy improve outcome?. <i>Intensive Care Medicine</i> , 2007 , 33, 1369-78	14.5	52
54	Comparison of systematic versus selective screening for methicillin-resistant <i>Staphylococcus aureus</i> carriage in a high-risk dermatology ward. <i>Infection Control and Hospital Epidemiology</i> , 2000 , 21, 583-7	2	50
53	Role of biomarkers in the management of antibiotic therapy: an expert panel review II: clinical use of biomarkers for initiation or discontinuation of antibiotic therapy. <i>Annals of Intensive Care</i> , 2013 , 3, 21	8.9	49
52	Acute respiratory failure in patients with toxic epidermal necrolysis: clinical features and factors associated with mechanical ventilation. <i>Critical Care Medicine</i> , 2014 , 42, 118-28	1.4	49

51	Noninvasive ventilation for acute hypercapnic respiratory failure: intubation rate in an experienced unit. <i>Respiratory Care</i> , 2013 , 58, 2045-52	2.1	46
50	Oral mucosal adverse events with chlorhexidine 2% mouthwash in ICU. <i>Intensive Care Medicine</i> , 2016 , 42, 620-621	14.5	45
49	Easily identified at-risk patients for extubation failure may benefit from noninvasive ventilation: a prospective before-after study. <i>Critical Care</i> , 2016 , 20, 48	10.8	44
48	Duration of colonization with antimicrobial-resistant bacteria after ICU discharge. <i>Intensive Care Medicine</i> , 2014 , 40, 564-71	14.5	43
47	Delirium and Circadian Rhythm of Melatonin During Weaning From Mechanical Ventilation: An Ancillary Study of a Weaning Trial. <i>Chest</i> , 2015 , 148, 1231-1241	5.3	40
46	Acute kidney injury in sickle patients with painful crisis or acute chest syndrome and its relation to pulmonary hypertension. <i>Nephrology Dialysis Transplantation</i> , 2010 , 25, 2524-9	4.3	38
45	Frequency, associated factors and outcome of multi-drug-resistant intensive care unit-acquired pneumonia among patients colonized with extended-spectrum β -lactamase-producing Enterobacteriaceae. <i>Annals of Intensive Care</i> , 2017 , 7, 61	8.9	31
44	Unrevealing culture-negative severe sepsis. <i>Critical Care</i> , 2013 , 17, 1001	10.8	31
43	Identification of central venous catheter-related infections in infants and children. <i>Pediatric Critical Care Medicine</i> , 2005 , 6, S19-24	3	30
42	Impact of antibiotic exposure patterns on selection of community-associated methicillin-resistant <i>Staphylococcus aureus</i> in hospital settings. <i>Antimicrobial Agents and Chemotherapy</i> , 2011 , 55, 4888-95	5.9	28
41	Year in review in intensive care medicine, 2004. I. Respiratory failure, infection, and sepsis. <i>Intensive Care Medicine</i> , 2005 , 31, 28-40	14.5	28
40	How to use an article on therapy or prevention: pneumonia prevention using subglottic secretion drainage. <i>Critical Care Medicine</i> , 1997 , 25, 1502-13	1.4	28
39	Lung imaging during acute chest syndrome in sickle cell disease: computed tomography patterns and diagnostic accuracy of bedside chest radiograph. <i>Thorax</i> , 2014 , 69, 144-51	7.3	27
38	<i>Clostridium difficile</i> contamination of health care workers' hands and its potential contribution to the spread of infection: Review of the literature. <i>American Journal of Infection Control</i> , 2017 , 45, 51-58	3.8	26
37	Validation of an algorithm based on direct examination of specimens in suspected ventilator-associated pneumonia. <i>Intensive Care Medicine</i> , 2006 , 32, 676-83	14.5	24
36	Septic shock with no diagnosis at 24 hours: a pragmatic multicenter prospective cohort study. <i>Critical Care</i> , 2016 , 20, 360	10.8	23
35	Outcomes of early, late, and no admission to the intensive care unit for patients hospitalized with community-acquired pneumonia. <i>Academic Emergency Medicine</i> , 2012 , 19, 294-303	3.4	23
34	Bedside adherence to clinical practice guidelines in the intensive care unit: the TECLA study. <i>Intensive Care Medicine</i> , 2008 , 34, 1393-400	14.5	23

33	Granulocyte colony-stimulating factor enhances host defenses against bacterial pneumonia following peritonitis in nonneutropenic rats. <i>Critical Care Medicine</i> , 2002 , 30, 2107-14	1.4	23
32	Beneficial effects of nitric oxide inhalation on pulmonary bacterial clearance. <i>Critical Care Medicine</i> , 2002 , 30, 442-7	1.4	23
31	Selective decontamination of the digestive tract (SDD) in critically ill patients: a narrative review. <i>Intensive Care Medicine</i> , 2020 , 46, 343-349	14.5	23
30	Aspergillus-positive lower respiratory tract samples in patients with the acute respiratory distress syndrome: a 10-year retrospective study. <i>Annals of Intensive Care</i> , 2016 , 6, 52	8.9	19
29	Unrevealing culture-negative severe sepsis. <i>Critical Care</i> , 2013 , 17,	10.8	19
28	Predominance of healthcare-associated cases among episodes of community-onset bacteraemia due to extended-spectrum β -lactamase-producing Enterobacteriaceae. <i>International Journal of Antimicrobial Agents</i> , 2017 , 49, 67-73	14.3	18
27	Performance and economic evaluation of the molecular detection of pathogens for patients with severe infections: the EVAMICA open-label, cluster-randomised, interventional crossover trial. <i>Intensive Care Medicine</i> , 2017 , 43, 1613-1625	14.5	18
26	Protective effect of endotoxin instillation on subsequent bacteria-induced acute lung injury in rats. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1998 , 158, 1702-8	10.2	18
25	A model to compute the medical cost of patients in intensive care. <i>Pharmacoeconomics</i> , 1999 , 15, 573-824.4	4	18
24	A Payer Perspective of the Hospital Inpatient Additional Care Costs of Antimicrobial Resistance in France: A Matched Case-Control Study. <i>Applied Health Economics and Health Policy</i> , 2019 , 17, 381-389	3.4	16
23	Echocardiographic detection of transpulmonary bubble transit during acute respiratory distress syndrome. <i>Annals of Intensive Care</i> , 2015 , 5, 5	8.9	15
22	Year in review in Intensive Care Medicine, 2006. II. Infections and sepsis, haemodynamics, elderly, invasive and noninvasive mechanical ventilation, weaning, ARDS. <i>Intensive Care Medicine</i> , 2007 , 33, 214-251	14.5	15
21	Interest of a simple on-line screening registry for measuring ICU burden related to an influenza pandemic. <i>Critical Care</i> , 2012 , 16, R118	10.8	13
20	Can Topical and Nonabsorbable Antimicrobials Prevent Cross-Transmission of Resistant Strains in ICUs?. <i>Infection Control and Hospital Epidemiology</i> , 1994 , 15, 447-455	2	13
19	Bactericidal activity response of blood neutrophils from critically ill patients to in vitro granulocyte colony-stimulating factor stimulation. <i>Intensive Care Medicine</i> , 2003 , 29, 396-402	14.5	12
18	Current approaches to the diagnosis and prevention of catheter-related infections. <i>Current Opinion in Critical Care</i> , 1999 , 5, 341-349	3.5	11
17	Bedside Lung Ultrasound During Acute Chest Syndrome in Sickle Cell Disease. <i>Medicine (United States)</i> , 2016 , 95, e2553	1.8	10
16	NosoSim: an agent-based model of nosocomial pathogens circulation in hospitals. <i>Procedia Computer Science</i> , 2010 , 1, 2245-2252	1.6	9

15	Pulmonary Vascular Dysfunction and Cor Pulmonale During Acute Respiratory Distress Syndrome in Sicklers. <i>Shock</i> , 2016 , 46, 358-64	3.4	9
14	Positron Emission Tomography With 18F-Fluorodeoxyglucose in Patients With Sickle Cell Acute Chest Syndrome. <i>Medicine (United States)</i> , 2015 , 94, e821	1.8	6
13	Year in review in Intensive Care Medicine-2003. Part 1: Respiratory failure, infection and sepsis. <i>Intensive Care Medicine</i> , 2004 , 30, 1017-31	14.5	6
12	Guidelines for treatment of hospital-acquired pneumonia. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2002 , 23, 457-69	3.9	6
11	Are institutional review boards effective in safeguarding patients in intensive care units?. <i>Current Opinion in Anaesthesiology</i> , 2000 , 13, 195-201	2.9	6
10	Preventing ventilator associated pneumonia. <i>BMJ, The</i> , 2007 , 334, 861-2	5.9	4
9	Costs of Nosocomial Infections in the ICU and Impact of Programs to Reduce Risks and Costs. <i>Clinical Pulmonary Medicine</i> , 2002 , 9, 33-38	0.3	2
8	Control of colonisation with extended-spectrum β -lactamase-producing bacteria: reply to Zandstra et al. <i>Intensive Care Medicine</i> , 2013 , 39, 540	14.5	1
7	Infections associated with intravascular lines, grafts and devices 2010 , 492-503		1
6	Maximizing Oxygen Delivery in High-Risk Surgical Patients. <i>Critical Care Medicine</i> , 1997 , 25, 715-716	1.4	1
5	Incidence of shoulder injuries after generalized tonic-clonic seizure admitted to intensive care. <i>Seizure: the Journal of the British Epilepsy Association</i> , 2014 , 23, 84-5	3.2	0
4	Antibiotic prescriptions and risk factors for antimicrobial resistance in patients hospitalized with urinary tract infection: a matched case-control study using the French health insurance database (SNDS). <i>BMC Infectious Diseases</i> , 2021 , 21, 571	4	0
3	Care bundles in intensive care units - authorsUreply. <i>Lancet Infectious Diseases, The</i> , 2014 , 14, 372	25.5	
2	Response. <i>Chest</i> , 2015 , 147, e64	5.3	
1	The Impact of Catheter-Related Infection in the Critically Ill 2004 , 77-85		