Jan Bakker

List of Publications by Year
in descending order

294 papers	22,479 citations	13099 68 h-index	9345 143 g-index
303 all docs	303 docs citations	303 times ranked	14668 citing authors

#	Article	IF	Citations
1	Blood Lactate Levels Are Superior to Oxygen-Derived Variables in Predicting Outcome in Human Septic Shock. Chest, 1991, 99, 956-962.	0.8	1,664
2	Early Lactate-Guided Therapy in Intensive Care Unit Patients. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 752-761.	5.6	1,290
3	The Impact of Critical Illness on Perceived Health-Related Quality of Life During ICU Treatment, Hospital Stay, and After Hospital Discharge. Chest, 2008, 133, 377-385.	0.8	1,260
4	Consensus on circulatory shock and hemodynamic monitoring. Task force of the European Society of Intensive Care Medicine. Intensive Care Medicine, 2014, 40, 1795-1815.	8.2	1,240
5	Multiple-center, randomized, placebo-controlled, double-blind study of the nitric oxide synthase inhibitor 546C88: Effect on survival in patients with septic shock*. Critical Care Medicine, 2004, 32, 21-30.	0.9	948
6	Serial blood lactate levels can predict the development of multiple organ failure following septic shock. American Journal of Surgery, 1996, 171, 221-226.	1.8	789
7	Neutrophil Gelatinase-associated Lipocalin at ICU Admission Predicts for Acute Kidney Injury in Adult Patients. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 907-914.	5.6	781
8	Quality of life on admission to the intensive care: can we query the relatives?. Intensive Care Medicine, 2003, 29, 974-979.	8.2	688
9	Effect of a Resuscitation Strategy Targeting Peripheral Perfusion Status vs Serum Lactate Levels on 28-Day Mortality Among Patients With Septic Shock. JAMA - Journal of the American Medical Association, 2019, 321, 654.	7.4	471
10	Control of Confounding and Reporting of Results in Causal Inference Studies. Guidance for Authors from Editors of Respiratory, Sleep, and Critical Care Journals. Annals of the American Thoracic Society, 2019, 16, 22-28.	3.2	458
11	The Prevalence of Compassion Fatigue and Burnout among Healthcare Professionals in Intensive Care Units: A Systematic Review. PLoS ONE, 2015, 10, e0136955.	2.5	399
12	Use of a peripheral perfusion index derived from the pulse oximetry signal as a noninvasive indicator of perfusion. Critical Care Medicine, 2002, 30, 1210-1213.	0.9	331
13	Clinical use of lactate monitoring in critically ill patients. Annals of Intensive Care, 2013, 3, 12.	4.6	318
14	Noninvasive monitoring of peripheral perfusion. Intensive Care Medicine, 2005, 31, 1316-1326.	8.2	316
15	Second consensus on the assessment of sublingual microcirculation in critically ill patients: results from a task force of the European Society of Intensive Care Medicine. Intensive Care Medicine, 2018, 44, 281-299.	8.2	305
16	The prognostic value of the subjective assessment of peripheral perfusion in critically ill patients. Critical Care Medicine, 2009, 37, 934-938.	0.9	217
17	Administration of Anti-TNF Antibody Improves Left Ventricular Function in Septic Shock Patients. Chest, 1992, 101, 810-815.	0.8	214
18	Veno-arterial Carbon Dioxide Gradient in Human Septic Shock. Chest, 1992, 101, 509-515.	0.8	212

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19	A systematic review of implementation strategies for assessment, prevention, and management of ICU delirium and their effect on clinical outcomes. Critical Care, 2015, 19, 157.	5.8	210
20	Administration of the nitric oxide synthase inhibitor NG-methyl-l-arginine hydrochloride (546C88) by intravenous infusion for up to 72 hours can promote the resolution of shock in patients with severe sepsis: Results of a randomized, double-blind, placebo-controlled multicenter study (study no.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 692	0.9	201
21	Development and Reporting of Prediction Models: Guidance for Authors From Editors of Respiratory, Sleep, and Critical Care Journals. Critical Care Medicine, 2020, 48, 623-633.	0.9	188
22	The Eldicus prospective, observational study of triage decision making in European intensive care units. Part II. Critical Care Medicine, 2012, 40, 132-138.	0.9	178
23	Drotrecogin alfa (activated) in the treatment of severe sepsis patients with multiple-organ dysfunction: data from the PROWESS trial. Intensive Care Medicine, 2003, 29, 894-903.	8.2	166
24	The ten pitfalls of lactate clearance in sepsis. Intensive Care Medicine, 2019, 45, 82-85.	8.2	162
25	The prognostic value of blood lactate levels relative to that of vital signs in the pre-hospital setting: a pilot study. Critical Care, 2008, 12, R160.	5.8	161
26	Blood lactate monitoring in critically ill patients: A systematic health technology assessment*. Critical Care Medicine, 2009, 37, 2827-2839.	0.9	149
27	Blood lactate monitoring in critically ill patients: A systematic health technology assessment *. Critical Care Medicine, 2009, 37, 2827-2839.	0.9	148
28	Biomarkers for the prediction of acute kidney injury: a narrative review on current status and future challenges. CKJ: Clinical Kidney Journal, 2012, 5, 102-108.	2.9	145
29	Association between blood lactate levels, Sequential Organ Failure Assessment subscores, and 28-day mortality during early and late intensive care unit stay: A retrospective observational study*. Critical Care Medicine, 2009, 37, 2369-2374.	0.9	142
30	Experiences of critically ill patients in the ICU. Intensive and Critical Care Nursing, 2008, 24, 300-313.	2.9	138
31	Re-thinking resuscitation: leaving blood pressure cosmetics behind and moving forward to permissive hypotension and a tissue perfusion-based approach. Critical Care, 2013, 17, 326.	5.8	137
32	Direct Cost Analysis of Intensive Care Unit Stay in Four European Countries: Applying a Standardized Costing Methodology. Value in Health, 2012, 15, 81-86.	0.3	126
33	Effects of a Resuscitation Strategy Targeting Peripheral Perfusion Status versus Serum Lactate Levels among Patients with Septic Shock. A Bayesian Reanalysis of the ANDROMEDA-SHOCK Trial. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 423-429.	5.6	126
34	Early lactate clearance-guided therapy in patients with sepsis: a meta-analysis with trial sequential analysis of randomized controlled trials. Intensive Care Medicine, 2015, 41, 1862-1863.	8.2	125
35	International Study on Microcirculatory Shock Occurrence in Acutely Ill Patients*. Critical Care Medicine, 2015, 43, 48-56.	0.9	122
36	The relation of near-infrared spectroscopy with changes in peripheral circulation in critically ill patients*. Critical Care Medicine, 2011, 39, 1649-1654.	0.9	121

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37	Persistent peripheral and microcirculatory perfusion alterations after out-of-hospital cardiac arrest are associated with poor survival*. Critical Care Medicine, 2012, 40, 2287-2294.	0.9	115
38	Low tissue oxygen saturation at the end of early goal-directed therapy is associated with worse outcome in critically ill patients. Critical Care, 2009, 13, S13.	5.8	111
39	Remifentanil-propofol analgo-sedation shortens duration of ventilation and length of ICU stay compared to a conventional regimen: a centre randomised, cross-over, open-label study in the Netherlands. Intensive Care Medicine, 2009, 35, 291-298.	8.2	110
40	Current use of vasopressors in septic shock. Annals of Intensive Care, 2019, 9, 20.	4.6	109
41	Anticipation of distress after discontinuation of mechanical ventilation in the ICU at the end of life. Intensive Care Medicine, 2008, 34, 1593-1599.	8.2	107
42	When to stop septic shock resuscitation: clues from a dynamic perfusion monitoring. Annals of Intensive Care, 2014, 4, 30.	4.6	105
43	Time-limited trial of intensive care treatment: an overview of current literature. Intensive Care Medicine, 2018, 44, 1369-1377.	8.2	104
44	Prognostic relevance of serum lactate kinetics in critically ill patients. Intensive Care Medicine, 2019, 45, 55-61.	8.2	103
45	Microbial signatures in the lower airways of mechanically ventilated COVID-19 patients associated with poor clinical outcome. Nature Microbiology, 2021, 6, 1245-1258.	13.3	101
46	The Impact of Severe Sepsis on Health-Related Quality of Life: A Long-Term Follow-Up Study. Anesthesia and Analgesia, 2008, 107, 1957-1964.	2.2	100
47	Effects of very early start of norepinephrine in patients with septic shock: a propensity score-based analysis. Critical Care, 2020, 24, 52.	5.8	97
48	Prevalence and incidence of severe sepsis in Dutch intensive care units. Critical Care, 2004, 8, R153.	5.8	96
49	Narrative review: clinical assessment of peripheral tissue perfusion in septic shock. Annals of Intensive Care, 2019, 9, 37.	4.6	95
50	The first demonstration of lactic acid in human blood in shock by Johann Joseph Scherer (1814â€“1869) in January 1843. Intensive Care Medicine, 2007, 33, 1967-1971.	8.2	94
51	Starling curves and central venous pressure. Critical Care, 2015, 19, 55.	5.8	92
52	Lung volume calculated from electrical impedance tomography in ICU patients at different PEEP levels. Intensive Care Medicine, 2009, 35, 1362-1367.	8.2	91
53	Peripheral Perfusion Index as an Early Predictor for Central Hypovolemia in Awake Healthy Volunteers. Anesthesia and Analgesia, 2013, 116, 351-356.	2.2	90
54	Right Ventricular Unloading after Initiation of Venovenous Extracorporeal Membrane Oxygenation. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 346-348.	5.6	90

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55	Clinical assessment of peripheral perfusion to predict postoperative complications after major abdominal surgery early: a prospective observational study in adults. Critical Care, 2014, 18, R114.	5.8	87
56	Capillary refill time during fluid resuscitation in patients with sepsis-related hyperlactatemia at the emergency department is related to mortality. PLoS ONE, 2017, 12, e0188548.	2.5	87
57	MULTI-CENTER, RANDOMIZED, PLACEBO-CONTROLLED, DOUBLE BLIND STUDY OF THE NITRIC OXIDE SYNTHASE INHIBITOR 546C88. Critical Care Medicine, 1999, 27, 33A.	0.9	87
58	Assessment of tissue oxygen saturation during a vascular occlusion test using near-infrared spectroscopy: the role of probe spacing and measurement site studied in healthy volunteers. Critical Care, 2009, 13, S4.	5.8	82
59	Electrical impedance tomography measured at two thoracic levels can visualize the ventilation distribution changes at the bedside during a decremental positive end-expiratory lung pressure trial. Critical Care, 2011, 15, R193.	5.8	81
60	Phase II multicenter clinical study of the platelet-activating factor receptor antagonist BB-882 in the treatment of sepsis. Critical Care Medicine, 2000, 28, 638-642.	0.9	80
61	The Heterogeneity of the Microcirculation in Critical Illness. Clinics in Chest Medicine, 2008, 29, 643-654.	2.1	80
62	The Eldicus prospective, observational study of triage decision making in European intensive care units. Critical Care Medicine, 2012, 40, 125-131.	0.9	80
63	The effect of goal-directed therapy on mortality in patients with sepsis - earlier is better: a meta-analysis of randomized controlled trials. Critical Care, 2014, 18, 570.	5.8	80
64	Fluid administration for acute circulatory dysfunction using basic monitoring: narrative review and expert panel recommendations from an ESICM task force. Intensive Care Medicine, 2019, 45, 21-32.	8.2	80
65	TOP1 inhibition therapy protects against SARS-CoV-2-induced lethal inflammation. Cell, 2021, 184, 2618-2632.e17.	28.9	80
66	Clinical review: Clinical imaging of the sublingual microcirculation in the critically ill - where do we stand?. Critical Care, 2012, 16, 224.	5.8	78
67	Effects of N-acetylcysteine in endotoxic shock. Journal of Critical Care, 1994, 9, 236-243.	2.2	75
68	Changes in peripheral perfusion relate to visceral organ perfusion in early septic shock: A pilot study. Journal of Critical Care, 2016, 35, 105-109.	2.2	74
69	Clinical review: Circulatory shock - an update: a tribute to Professor Max Harry Weil. Critical Care, 2012, 16, 239.	5.8	73
70	Implications of ICU triage decisions on patient mortality: a cost-effectiveness analysis. Critical Care, 2011, 15, R56.	5.8	71
71	Alternatives to the Swanâ€“Ganz catheter. Intensive Care Medicine, 2018, 44, 730-741.	8.2	71
72	CD14 receptor occupancy in severe sepsis: Results of a phase I clinical trial with a recombinant chimeric CD14 monoclonal antibody (IC14)*. Critical Care Medicine, 2004, 32, 1100-1108.	0.9	68

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73	The oxygen supply dependency phenomenon is associated with increased blood lactate levels. Journal of Critical Care, 1991, 6, 152-159.	2.2	66
74	Evaluation of Electrical Impedance Tomography in the Measurement of PEEP-Induced Changes in Lung Volume. Chest, 1999, 115, 1102-1106.	0.8	63
75	Quality of life before intensive care unit admission is a predictor of survival. Critical Care, 2007, 11, R78.	5.8	62
76	Deferred proxy consent in emergency critical care research: Ethically valid and practically feasible. Critical Care Medicine, 2009, 37, S65-S68.	0.9	62
77	End-expiratory lung volume during mechanical ventilation: a comparison with reference values and the effect of positive end-expiratory pressure in intensive care unit patients with different lung conditions. Critical Care, 2008, 12, R145.	5.8	61
78	Bedside measurement of changes in lung impedance to monitor alveolar ventilation in dependent and non-dependent parts by electrical impedance tomography during a positive end-expiratory pressure trial in mechanically ventilated intensive care unit patients. Critical Care, 2010, 14, R100.	5.8	61
79	Early Peripheral Perfusionâ€“guided Fluid Therapy in Patients with Septic Shock. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 477-480.	5.6	60
80	Imminent brain death: point of departure for potential heart-beating organ donor recognition. Intensive Care Medicine, 2010, 36, 1488-1494.	8.2	59
81	Laser speckle imaging identification of increases in cortical microcirculatory blood flow induced by motor activity during awake craniotomy. Journal of Neurosurgery, 2013, 118, 280-286.	1.6	59
82	Electrical Impedance Tomography in the Assessment of Extravascular Lung Water in Noncardiogenic Acute Respiratory Failure. Chest, 1999, 116, 1695-1702.	0.8	58
83	Deferred consent in emergency intensive care research: what if the patient dies early? Use the data or not?. Intensive Care Medicine, 2007, 33, 894-900.	8.2	58
84	Increased blood lacate levels: an important warning signal in surgical practice. Critical Care, 2004, 8, 96.	5.8	57
85	Diastolic shock index and clinical outcomes in patients with septic shock. Annals of Intensive Care, 2020, 10, 41.	4.6	57
86	Effects of N-Acetyl-L-Cysteine on Regional Blood Flow during Endotoxic Shock. European Surgical Research, 1995, 27, 292-300.	1.3	56
87	Don't take vitals, take aÂlactate. Intensive Care Medicine, 2007, 33, 1863-1865.	8.2	56
88	Understanding venous return. Intensive Care Medicine, 2014, 40, 1564-1566.	8.2	56
89	Attitudes, knowledge and practices concerning delirium: a survey among intensive care unit professionals. Nursing in Critical Care, 2017, 22, 133-140.	2.3	56
90	Counterbalancing work-related stress? Work engagement among intensive care professionals. Australian Critical Care, 2018, 31, 234-241.	1.3	56

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91	Current practice and evolving concepts in septic shock resuscitation. Intensive Care Medicine, 2022, 48, 148-163.	8.2	55
92	Relation Between Oxygen Consumption and Oxygen Delivery in Patients After Cardiac Surgery. Anesthesia and Analgesia, 1993, 77, 1104???1110.	2.2	54
93	Medications for analgesia and sedation in the intensive care unit: an overview. Critical Care, 2008, 12, S4.	5.8	54
94	Lactate. Critical Care Clinics, 2020, 36, 115-124.	2.6	53
95	Systematic assessment of fluid responsiveness during early septic shock resuscitation: secondary analysis of the ANDROMEDA-SHOCK trial. Critical Care, 2020, 24, 23.	5.8	53
96	Organ donations and unused potential donations in traumatic brain injury, subarachnoid haemorrhage and intracerebral haemorrhage. Intensive Care Medicine, 2006, 32, 217-222.	8.2	52
97	Lactate measurements in critically ill patients with a hand-held analyser. Intensive Care Medicine, 1999, 25, 966-969.	8.2	51
98	Microvascular Perfusion as a Target for Fluid Resuscitation in Experimental Circulatory Shock*. Critical Care Medicine, 2014, 42, e96-e105.	0.9	51
99	Detection of Tissue Hypoxia by Arteriovenous Gradient for PCO2 and pH in Anesthetized Dogs During Progressive Hemorrhage. Anesthesia and Analgesia, 1995, 80, 269-275.	2.2	49
100	Euthanasia in intensive care: A 56-year-old man with a pontine hemorrhage resulting in a locked-in syndrome*. Critical Care Medicine, 2007, 35, 2428-2430.	0.9	49
101	Colistin for the treatment of ventilator-associated pneumonia caused by multidrug-resistant Gram-negative bacteria: A systematic review and meta-analysis. International Journal of Antimicrobial Agents, 2014, 44, 477-485.	2.5	49
102	Early goal-directed therapy using a physiological holistic view: the ANDROMEDA-SHOCKâ€”a randomized controlled trial. Annals of Intensive Care, 2018, 8, 52.	4.6	49
103	Understanding clinical signs of poor tissue perfusion during septic shock. Intensive Care Medicine, 2016, 42, 2070-2072.	8.2	48
104	Prognostic Value of Blood Lactate Levels: Does the Clinical Diagnosis at Admission Matter?. Journal of Trauma, 2009, 66, 377-385.	2.3	46
105	Patientâ€•and familyâ€centred care in the intensive care unit: a challenge in the daily practice of healthcare professionals. Journal of Clinical Nursing, 2017, 26, 3212-3223.	3.0	46
106	A hypoperfusion context may aid to interpret hyperlactatemia in sepsis-3 septic shock patients: a proof-of-concept study. Annals of Intensive Care, 2017, 7, 29.	4.6	44
107	Peripheral vasoconstriction influences thenar oxygen saturation as measured by near-infrared spectroscopy. Intensive Care Medicine, 2012, 38, 606-611.	8.2	43
108	Development of a clinical data warehouse from an intensive care clinical information system. Computer Methods and Programs in Biomedicine, 2012, 105, 22-30.	4.7	43

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109	Fewer intensive care unit refusals and a higher capacity utilization by using a cyclic surgical case schedule. Journal of Critical Care, 2008, 23, 222-226.	2.2	42
110	Nitroglycerin reverts clinical manifestations of poor peripheral perfusion in patients with circulatory shock. Critical Care, 2014, 18, R126.	5.8	42
111	Impairment of exogenous lactate clearance in experimental hyperdynamic septic shock is not related to total liver hypoperfusion. Critical Care, 2015, 19, 188.	5.8	42
112	Physician-Assisted Suicide and Euthanasia in the ICU: A Dialogue on Core Ethical Issues*. Critical Care Medicine, 2017, 45, 149-155.	0.9	42
113	Transfusion practice in the non-bleeding critically ill: an international online surveyâ€"the TRACE survey. Critical Care, 2019, 23, 309.	5.8	42
114	A lactate-targeted resuscitation strategy may be associated with higher mortality in patients with septic shock and normal capillary refill time: a post hoc analysis of the ANDROMEDA-SHOCK study. Annals of Intensive Care, 2020, 10, 114.	4.6	42
115	External validation of a prognostic model predicting time of death after withdrawal of life support in neurocritical patients*. Critical Care Medicine, 2012, 40, 233-238.	0.9	41
116	Early Circulating Lactate and Glucose Levels After Aneurysmal Subarachnoid Hemorrhage Correlate With Poor Outcome and Delayed Cerebral Ischemia. Critical Care Medicine, 2016, 44, 966-972.	0.9	40
117	Improved Guideline Adherence and Reduced Brain Dysfunction After a Multicenter Multifaceted Implementation of ICU Delirium Guidelines in 3,930 Patients. Critical Care Medicine, 2019, 47, 419-427.	0.9	40
118	Clinical assessment of peripheral circulation. Current Opinion in Critical Care, 2015, 21, 226-231.	3.2	39
119	Review of A Large Clinical Series: A Microcosting Study of Intensive Care Unit Stay in the Netherlands. Journal of Intensive Care Medicine, 2008, 23, 250-257.	2.8	38
120	Effects of dexmedetomidine and esmolol on systemic hemodynamics and exogenous lactate clearance in early experimental septic shock. Critical Care, 2016, 20, 234.	5.8	38
121	Lactate-guided resuscitation saves lives: we are not sure. Intensive Care Medicine, 2016, 42, 472-474.	8.2	38
122	Conventional Autopsy versus Minimally Invasive Autopsy with Postmortem MRI, CT, and CT-guided Biopsy: Comparison of Diagnostic Performance. Radiology, 2018, 289, 658-667.	7.3	38
123	Equilibrating SSC guidelines with individualized care. Critical Care, 2021, 25, 397.	5.8	38
124	Withdrawal of Life-Sustaining Treatment in a Mixed Intensive Care Unit: Most Common in Patients with Catastropic Brain Injury. Neurocritical Care, 2012, 16, 130-135.	2.4	37
125	Organizational Issues, Structure, and Processes of Care in 257 ICUs in Latin America. Critical Care Medicine, 2017, 45, 1325-1336.	0.9	36
126	Inability to obtain deferred consent due to early death in emergency research: effect on validity of clinical trial results. Intensive Care Medicine, 2010, 36, 1962-1965.	8.2	35

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127	Ketamine use in sedation management in patients receiving extracorporeal membrane oxygenation. Intensive Care Medicine, 2016, 42, 1822-1823.	8.2	35
128	Current use of inotropes in circulatory shock. Annals of Intensive Care, 2021, 11, 21.	4.6	35
129	A European, Multicenter, Observational Study to Assess the Value of Gastric-to-End Tidal P CO2 Difference in Predicting Postoperative Complications. Anesthesia and Analgesia, 2004, 99, 166-172.	2.2	34
130	Urinary Neutrophil Gelatinase-Associated Lipocalin Measured on Admission to the Intensive Care Unit Accurately Discriminates between Sustained and Transient Acute Kidney Injury in Adult Critically Ill Patients. Nephron Extra, 2011, 1, 9-23.	1.1	34
131	Effects of capillary refill time-vs. lactate-targeted fluid resuscitation on regional, microcirculatory and hypoxia-related perfusion parameters in septic shock: a randomized controlled trial. Annals of Intensive Care, 2020, 10, 150.	4.6	34
132	Severe group A streptococcal toxic shock syndrome presenting as primary peritonitis: a case report and brief review of the literature. International Journal of Infectious Diseases, 2010, 14, e208-e212.	3.3	33
133	NON-SUCCESSFUL INTENSIVE INSULIN THERAPY IN ICU PATIENTS IS NOT ASSOCIATED WITH CHANGES IN QUALITY OF LIFE. Chest, 2005, 128, 307S.	0.8	31
134	Clinical pharmacology of exogenously administered alkaline phosphatase. European Journal of Clinical Pharmacology, 2009, 65, 393-402.	1.9	31
135	Cost-consequence analysis of remifentanil-based analgo-sedation vs. conventional analgesia and sedation for patients on mechanical ventilation in the Netherlands. Critical Care, 2010, 14, R195.	5.8	31
136	An Observational Study on a Protocol for Withdrawal of Life-Sustaining Measures on Two Non-Academic Intensive Care Units in The Netherlands: Few Signs of Distress, No Suffering?. Journal of Pain and Symptom Management, 2015, 50, 676-684.	1.2	31
137	Blood lactate levels in sepsis: in 8 questions. Current Opinion in Critical Care, 2021, 27, 298-302.	3.2	31
138	Effects of norepinephrine and dobutamine on oxygen transport and consumption in a dog model of endotoxic shock. Critical Care Medicine, 1993, 21, 425-432.	0.9	30
139	Why Opioids and Sedatives May Prolong Life Rather Than Hasten Death After Ventilator Withdrawal in Critically Ill Patients. American Journal of Hospice and Palliative Medicine, 2008, 25, 152-154.	1.4	30
140	Severe Infections are Common in Thiamine Deficiency and May be Related to Cognitive Outcomes: A Cohort Study of 68 Patients With Wernicke-Korsakoff Syndrome. Psychosomatics, 2016, 57, 624-633.	2.5	30
141	Lactate and microcirculation as suitable targets for hemodynamic optimization in resuscitation of circulatory shock. Current Opinion in Critical Care, 2017, 23, 348-354.	3.2	30
142	Mildly elevated lactate levels are associated with microcirculatory flow abnormalities and increased mortality: a microSOAP post hoc analysis. Critical Care, 2017, 21, 255.	5.8	29
143	Lactate: May I have your votes please?. Intensive Care Medicine, 2001, 27, 6-11.	8.2	28
144	Health-related quality of life in critically ill patients: how to score and what is the clinical impact?. Current Opinion in Critical Care, 2009, 15, 425-430.	3.2	28

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145	The Use of Opioids and Sedatives and Time Until Death After Withdrawing Mechanical Ventilation and Vasoactive Drugs in a Dutch Intensive Care Unit. Anesthesia and Analgesia, 2011, 112, 628-634.	2.2	28
146	Donor conversion rates depend on the assessment tools used in the evaluation of potential organ donors. Intensive Care Medicine, 2011, 37, 665-670.	8.2	28
147	Hepatosplanchnic circulation in cirrhosis and sepsis. World Journal of Gastroenterology, 2015, 21, 2582.	3.3	28
148	PA catheterization - quo vadis?. Intensive Care Medicine, 1997, 23, 605-609.	8.2	27
149	Single-nucleotide polymorphisms in the Toll-like receptor pathway increase susceptibility to infections in severely injured trauma patients. Journal of Trauma and Acute Care Surgery, 2013, 74, 862-870.	2.1	27
150	Acidosis predicts mortality independently from hyperlactatemia in patients with sepsis. European Journal of Internal Medicine, 2020, 76, 76-81.	2.2	27
151	Espectroscopia no infravermelho prÃ³ximo para a monitorizaÃ§Ã£o da perfusÃ£o tecidual. Revista Brasileira De Terapia Intensiva, 2011, 23, 341-351.	0.3	26
152	Tissue perfusion and oxygenation to monitor fluid responsiveness in critically ill, septic patients after initial resuscitation: a prospective observational study. Journal of Clinical Monitoring and Computing, 2015, 29, 707-712.	1.6	26
153	Risk indicators for acute kidney injury in cardiogenic shock. Journal of Critical Care, 2019, 50, 11-16.	2.2	25
154	Norepinephrine in septic shock. Intensive Care Medicine, 2019, 45, 687-689.	8.2	25
155	Is Organ Donation From Brain Dead Donors Reaching an Inescapable and Desirable Nadir?. Transplantation, 2011, 91, 1177-1180.	1.0	24
156	Lactate levels and hemodynamic coherence in acute circulatory failure. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2016, 30, 523-530.	4.0	23
157	Treatment limitations in the era of ECMO. Lancet Respiratory Medicine,the, 2017, 5, 769-770.	10.7	23
158	High Early Fluid Input After Aneurysmal Subarachnoid Hemorrhage: Combined Report of Association With Delayed Cerebral Ischemia and Feasibility of Cardiac Outputâ€“Guided Fluid Restriction. Journal of Intensive Care Medicine, 2020, 35, 161-169.	2.8	23
159	Year in review in Intensive Care Medicine 2013: I. Acute kidney injury, ultrasound, hemodynamics, cardiac arrest, transfusion, neurocritical care, and nutrition. Intensive Care Medicine, 2014, 40, 147-159.	8.2	22
160	Year in review in Intensive Care Medicine 2014: III. Severe infections, septic shock, healthcare-associated infections, highly resistant bacteria, invasive fungal infections, severe viral infections, Ebola virus disease and paediatrics. Intensive Care Medicine, 2015, 41, 575-588.	8.2	22
161	Metrology part 1: definition of quality criteria. Journal of Clinical Monitoring and Computing, 2021, 35, 17-25.	1.6	22
162	Cardiac Arrest Following an Iatrogenic 3, 4-Diaminopyridine Intoxication in a Patient with Lambert-Eaton Myasthenic Syndrome. Journal of Toxicology: Clinical Toxicology, 1995, 33, 249-251.	1.5	21

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163	Relativesâ€™ perspectives on the quality of care in an Intensive Care Unit: The theoretical concept of a new tool. Patient Education and Counseling, 2014, 95, 406-413.	2.2	21
164	Capillary refill time status could identify different clinical phenotypes among septic shock patients fulfilling Sepsis-3 criteria: a post hoc analysis of ANDROMEDA-SHOCK trial. Intensive Care Medicine, 2020, 46, 816-818.	8.2	21
165	Severe Impairment of Microcirculatory Perfused Vessel Density Is Associated With Postoperative Lactate and Acute Organ Injury After Cardiac Surgery. Journal of Cardiothoracic and Vascular Anesthesia, 2021, 35, 106-115.	1.3	21
166	Risk of infection and sepsis in severely injured patients related to single nucleotide polymorphisms in the lectin pathway. British Journal of Surgery, 2013, 100, 1818-1826.	0.3	20
167	Peripheral Perfusion Index Predicts Hypotension during Fluid Withdrawal by Continuous Veno-Venous Hemofiltration in Critically Ill Patients. Blood Purification, 2015, 40, 92-98.	1.8	20
168	Year in review in Intensive Care Medicine 2013: II. Sedation, invasive and noninvasive ventilation, airways, ARDS, ECMO, family satisfaction, end-of-life care, organ donation, informed consent, safety, hematological issues in critically ill patients. Intensive Care Medicine, 2014, 40, 305-319.	8.2	19
169	Clinical monitoring of peripheral perfusion: there is more to learn. Critical Care, 2014, 18, 113.	5.8	19
170	Monitoring coherence between the macro and microcirculation in septic shock. Current Opinion in Critical Care, 2020, 26, 267-272.	3.2	19
171	A European, Multicenter, Observational Study to Assess the Value of Gastric-to-End Tidal P CO2 Difference in Predicting Postoperative Complications. Anesthesia and Analgesia, 2004, 99, 166-172.	2.2	18
172	Optimizing intensive care capacity using individual length-of-stay prediction models. Critical Care, 2007, 11, R42.	5.8	18
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