Armand R J Girbes

List of Publications by Year
in descending order

61	1,592	394286	330025
papers	citations	19 h-index	37 g-index

66	66	66	1896
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Machine learning for the prediction of sepsis: a systematic review and meta-analysis of diagnostic test accuracy. Intensive Care Medicine, 2020, 46, 383-400.	3.9	313
2	Drug intervention trials in sepsis: divergent results. Lancet, The, 2004, 363, 1721-1723.	6.3	117
3	Sharing ICU Patient Data Responsibly Under the Society of Critical Care Medicine/European Society of Intensive Care Medicine Joint Data Science Collaboration: The Amsterdam University Medical Centers Database (AmsterdamUMCdb) Example*. Critical Care Medicine, 2021, 49, e563-e577.	0.4	87
4	Bioelectrical impedance analysis-derived phase angle at admission as a predictor of 90-day mortality in intensive care patients. European Journal of Clinical Nutrition, 2018, 72, 1019-1025.	1.3	78
5	Ventilator-derived carbon dioxide production to assess energy expenditure in critically ill patients: proof of concept. Critical Care, 2015, 19, 370.	2.5	75
6	Expiratory muscle dysfunction in critically ill patients: towards improved understanding. Intensive Care Medicine, 2019, 45, 1061-1071.	3.9	74
7	Effect of Low-Normal vs High-Normal Oxygenation Targets on Organ Dysfunction in Critically Ill Patients. JAMA - Journal of the American Medical Association, 2021, 326, 940.	3.8	59
8	Moderate hyperoxic versus near-physiological oxygen targets during and after coronary artery bypass surgery: a randomised controlled trial. Critical Care, 2016, 20, 55.	2.5	54
9	Intensive insulin therapy: Of harm and health, of hypes and hypoglycemia*. Critical Care Medicine, 2006, 34, 246-248.	0.4	40
10	External Evaluation of Population Pharmacokinetic Models of Vancomycin in Large Cohorts of Intensive Care Unit Patients. Antimicrobial Agents and Chemotherapy, 2019, 63, .	1.4	40
11	Estimation of the diaphragm neuromuscular efficiency index in mechanically ventilated critically ill patients. Critical Care, 2018, 22, 238.	2.5	39
12	Clinical and organizational factors associated with mortality during the peak of first COVID-19 wave: the global UNITE-COVID study. Intensive Care Medicine, 2022, 48, 690-705.	3.9	38
13	Red blood cell transfusion compared with gelatin solution and no infusion after cardiac surgery: effect on microvascular perfusion, vascular density, hemoglobin, and oxygen saturation. Transfusion, 2012, 52, 2452-2458.	0.8	33
14	Recombinant Human Activated Protein C in the Treatment of Acute Respiratory Distress Syndrome: A Randomized Clinical Trial. PLoS ONE, 2014, 9, e90983.	1.1	32
15	Extended Lung Ultrasound to Differentiate Between Pneumonia and Atelectasis in Critically Ill Patients: A Diagnostic Accuracy Study. Critical Care Medicine, 2022, 50, 750-759.	0.4	28
16	Right Dose Right Now: bedside data-driven personalized antibiotic dosing in severe sepsis and septic shock â€" rationale and design of a multicenter randomized controlled superiority trial. Trials, 2019, 20, 745.	0.7	25
17	Effects of hyperoxia on vascular tone in animal models: systematic review and meta-analysis. Critical Care, 2018, 22, 189.	2.5	24
18	Time to stop randomized and large pragmatic trials for intensive care medicine syndromes: the case of sepsis and acute respiratory distress syndrome. Journal of Thoracic Disease, 2020, 12, S101-S109.	0.6	23

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19	The Dutch Data Warehouse, a multicenter and full-admission electronic health records database for critically ill COVID-19 patients. Critical Care, 2021, 25, 304.	2.5	22
20	Pharmacological treatment of sepsis. Fundamental and Clinical Pharmacology, 2008, 22, 355-361.	1.0	20
21	Clinically relevant pharmacokinetic knowledge on antibiotic dosing among intensive care professionals is insufficient: a cross-sectional study. Critical Care, 2019, 23, 185.	2.5	18
22	Understanding critically ill sepsis patients with normal serum lactate levels: results from U.S. and European ICU cohorts. Scientific Reports, 2021, 11, 20076.	1.6	18
23	Respiratory Entrainment and Reverse Triggering in a Mechanically Ventilated Patient. Annals of the American Thoracic Society, 2019, 16, 499-505.	1.5	17
24	Right Dose, Right Now: Development of AutoKinetics for Real Time Model Informed Precision Antibiotic Dosing Decision Support at the Bedside of Critically Ill Patients. Frontiers in Pharmacology, 2020, 11, 646.	1.6	17
25	Transatlantic transferability of a new reinforcement learning model for optimizing haemodynamic treatment for critically ill patients with sepsis. Artificial Intelligence in Medicine, 2021, 112, 102003.	3.8	17
26	Lung ultrasound in a tertiary intensive care unit population: a diagnostic accuracy study. Critical Care, 2021, 25, 339.	2.5	17
27	Protocols: help for improvement but beware of regression to the mean and mediocrity. Intensive Care Medicine, 2015, 41, 2218-2220.	3.9	16
28	Unsuspected serotonin toxicity in the ICU. Annals of Intensive Care, 2016, 6, 85.	2.2	15
29	Amino Acid Loss during Continuous Venovenous Hemofiltration in Critically Ill Patients. Blood Purification, 2019, 48, 321-329.	0.9	15
30	Explainable Machine Learning on AmsterdamUMCdb for ICU Discharge Decision Support: Uniting Intensivists and Data Scientists. , 2021, 3, e0529.		15
31	Predictors for extubation failure in COVID-19 patients using a machine learning approach. Critical Care, 2021, 25, 448.	2.5	15
32	An Outbreak of Clostridium difficile Ribotype 027 Associated with Length of Stay in the Intensive Care Unit and Use of Selective Decontamination of the Digestive Tract: A Case Control Study. PLoS ONE, 2016, 11, e0160778.	1.1	14
33	Estimating Vitamin C Status in Critically Ill Patients with a Novel Point-of-Care Oxidation-Reduction Potential Measurement. Nutrients, 2019, 11, 1031.	1.7	14
34	Association of kidney function with effectiveness of procalcitonin-guided antibiotic treatment: aÂpatient-level meta-analysis from randomized controlled trials. Clinical Chemistry and Laboratory Medicine, 2021, 59, 441-453.	1.4	13
35	The impact of lung ultrasound on clinical-decision making across departments: a systematic review. Ultrasound Journal, 2022, 14, 5.	1.3	13
36	UltraNurse: teaching point-of-care ultrasound to intensive care nurses. Intensive Care Medicine, 2019, 45, 727-729.	3.9	12

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37	Hyperoxia does not affect oxygen delivery in healthy volunteers while causing a decrease in sublingual perfusion. Microcirculation, 2018, 25, e12433.	1.0	10
38	Diagnostic Accuracy of Procalcitonin and C-reactive Protein Is Insufficient to Predict Proven Infection: A Retrospective Cohort Study in Critically Ill Patients Fulfilling the Sepsis-3 Criteria. journal of applied laboratory medicine, The, 2020, 5, 62-72.	0.6	10
39	Comments on Reinhart et al.: consensus statement of the ESICM task force on colloid volume therapy in critically ill patients. Intensive Care Medicine, 2012, 38, 1556-1557.	3.9	9
40	Microbiological findings and adequacy of antibiotic treatment in the critically ill patient with drowning-associated pneumonia. Intensive Care Medicine, 2014, 40, 290-291.	3.9	9
41	Breath-synchronized electrical stimulation of the expiratory muscles in mechanically ventilated patients: a randomized controlled feasibility study and pooled analysis. Critical Care, 2020, 24, 628.	2.5	9
42	Optimizing Predictive Performance of Bayesian Forecasting for Vancomycin Concentration in Intensive Care Patients. Pharmaceutical Research, 2020, 37, 171.	1.7	8
43	Circulatory optimization of the patient with or at risk for shock. Clinical Intensive Care: International Journal of Critical & Coronary Care Medicine, 2000, 11, 77-88.	0.1	7
44	Monitoring patient-ventilator breath contribution in the critically ill during neurally adjusted ventilatory assist: reliability and improved algorithms for bedside use. Journal of Applied Physiology, 2019, 127, 264-271.	1.2	7
45	Early high protein provision and mortality in ICU patients including those receiving continuous renal replacement therapy. European Journal of Clinical Nutrition, 2022, 76, 1303-1308.	1.3	7
46	Speech in an Orally Intubated Patient. New England Journal of Medicine, 2014, 370, 1172-1173.	13.9	6
47	Duration of antibiotic treatment using procalcitonin-guided treatment algorithms in older patients: a patient-level meta-analysis from randomized controlled trials. Age and Ageing, 2021, 50, 1546-1556.	0.7	6
48	Effect of Bronchoscopy on Gas Exchange and Respiratory Mechanics in Critically Ill Patients With Atelectasis: An Observational Cohort Study. Frontiers in Medicine, 2018, 5, 301.	1.2	5
49	Some Patients Are More Equal Than Others: Variation in Ventilator Settings for Coronavirus Disease 2019 Acute Respiratory Distress Syndrome. , 2021, 3, e0555.		5
50	Why we should sample sparsely and aim for a higher target: Lessons from modelâ€based therapeutic drug monitoring of vancomycin in intensive care patients. British Journal of Clinical Pharmacology, 2021, 87, 1234-1242.	1.1	4
51	Early high-dose vitamin C in post-cardiac arrest syndrome (VITaCCA): study protocol for a randomized, double-blind, multi-center, placebo-controlled trial. Trials, 2021, 22, 546.	0.7	4
52	Rapid screening of critically ill patients for low plasma vitamin C concentrations using a point-of-care oxidationâ€“reduction potential measurement. Intensive Care Medicine Experimental, 2021, 9, 40.	0.9	3
53	The dose makes the poison. Intensive Care Medicine, 2016, 42, 632-632.	3.9	2
54	Protocols for the obvious: Where does it start, and stop?. Annals of Intensive Care, 2017, 7, 42.	2.2	2

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55	Fluid balance-adjusted creatinine at initiation of continuous venovenous hemofiltration and mortality. A post-hoc analysis of a multicenter randomized controlled trial.. PLoS ONE, 2018, 13, e0197301.	1.1	2
56	The attributable mortality of acute respiratory distress syndrome. Intensive Care Medicine, 2020, 46, 1508-1509.	3.9	2
57	Investigating associations between ICU level and quality of care in the Netherlands: reporting only SMRs is not the whole story. Intensive Care Medicine, 2015, 41, 1151-1151.	3.9	1
58	The journey continues after the war-zone minefield. Journal of Critical Care, 2018, 46, 139-140.	1.0	1
59	Targeted Temperature Management in Out-of-Hospital Cardiac Arrest With Shockable Rhythm. Critical Care Medicine, 2021, Publish Ahead of Print, .	0.4	1
60	Invalid methods lead to inappropriate conclusions. International Journal for Quality in Health Care, 2019, 31, 72-72.	0.9	0
61	Indication and Prognostication. , 2020, , 29-34.		0