Antoine Vieillard-Baron

List of Publications by Year
in descending order

127	12,872	36303 51	23533 111
papers	citations	h-index	g-index

128	128	128	7632
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Actual incidence of global left ventricular hypokinesia in adult septic shock. Critical Care Medicine, 2008, 36, 1701-1706.	0.9	1,001
2	High versus Low Blood-Pressure Target in Patients with Septic Shock. New England Journal of Medicine, 2014, 370, 1583-1593.	27.0	911
3	American College of Chest Physicians/La SociÃ©tÃ© de RÃ©animation de Langue FranÃ§aise Statement on Competence in Critical Care Ultrasonography. Chest, 2009, 135, 1050-1060.	0.8	637
4	Cyclic changes in right ventricular output impedance during mechanical ventilation. Journal of Applied Physiology, 1999, 87, 1644-1650.	2.5	601
5	Comparison of different echocardiographic indexes secondary to right ventricular obstruction in acute pulmonary embolism. American Journal of Cardiology, 2003, 92, 116-119.	1.6	587
6	Formal guidelines: management of acute respiratory distress syndrome. Annals of Intensive Care, 2019, 9, 69.	4.6	478
7	Contemporary management of acute right ventricular failure: a statement from the Heart Failure Association and the Working Group on Pulmonary Circulation and Right Ventricular Function of the European Society of Cardiology. European Journal of Heart Failure, 2016, 18, 226-241.	7.1	455
8	Acute cor pulmonale in acute respiratory distress syndrome submitted to protective ventilation: Incidence, clinical implications, and prognosis. Critical Care Medicine, 2001, 29, 1551-1555.	0.9	451
9	Acute cor pulmonale during protective ventilation for acute respiratory distress syndrome: prevalence, predictors, and clinical impact. Intensive Care Medicine, 2016, 42, 862-870.	8.2	366
10	Clinical review: Update on hemodynamic monitoring - a consensus of 16. Critical Care, 2011, 15, 229.	5.8	326
11	Superior vena caval collapsibility as a gauge of volume status in ventilated septic patients. Intensive Care Medicine, 2004, 30, 2283-2283.	8.2	318
12	Echoâ€“Doppler Demonstration of Acute Cor Pulmonale at the Bedside in the Medical Intensive Care Unit. American Journal of Respiratory and Critical Care Medicine, 2002, 166, 1310-1319.	5.6	304
13	Effects of levosimendan on right ventricular afterload in patients with acute respiratory distress syndrome: A pilot study*. Critical Care Medicine, 2006, 34, 2287-2293.	0.9	283
14	Superior vena caval collapsibility as a gauge of volume status in ventilated septic patients. Intensive Care Medicine, 2004, 30, 1734-9.	8.2	269
15	Hemodynamic Instability in Sepsis. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 1270-1276.	5.6	251
16	Prevalence and prognosis of cor pulmonale during protective ventilation for acute respiratory distress syndrome. Intensive Care Medicine, 2013, 39, 1725-1733.	8.2	250
17	Epidemiology, pathophysiology and contemporary management of cardiogenic shockÂâ€“Âa position statement from the Heart Failure Association of the European Society of Cardiology. European Journal of Heart Failure, 2020, 22, 1315-1341.	7.1	244
18	Prone position in ARDS patients: why, when, how and for whom. Intensive Care Medicine, 2020, 46, 2385-2396.	8.2	243

#	Article	IF	Citations
19	Prone Positioning Unloads the Right Ventricle in Severe ARDS. Chest, 2007, 132, 1440-1446.	0.8	233
20	Assessment of Right Ventricular Function in the Research Setting: Knowledge Gaps and Pathways Forward. An Official American Thoracic Society Research Statement. American Journal of Respiratory and Critical Care Medicine, 2018, 198, e15-e43.	5.6	220
21	Comparison of Echocardiographic Indices Used to Predict Fluid Responsiveness in Ventilated Patients. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1022-1032.	5.6	211
22	Impact of acute hypercapnia and augmented positive end-expiratory pressure on right ventricle function in severe acute respiratory distress syndrome. Intensive Care Medicine, 2009, 35, 1850-1858.	8.2	177
23	Is there aÂsafe plateau pressure in ARDS? The right heart only knows. Intensive Care Medicine, 2007, 33, 444-447.	8.2	174
24	Influence of Superior Vena Caval Zone Condition on Cyclic Changes in Right Ventricular Outflow during Respiratory Support. Anesthesiology, 2001, 95, 1083-1088.	2.5	170
25	Early Preload Adaptation in Septic Shock?. Anesthesiology, 2001, 94, 400-406.	2.5	166
26	Positive end-expiratory pressure titration in acute respiratory distress syndrome patients: Impact on right ventricular outflow impedance evaluated by pulmonary artery Doppler flow velocity measurements. Critical Care Medicine, 2001, 29, 1154-1158.	0.9	164
27	A decade of progress in critical care echocardiography: a narrative review. Intensive Care Medicine, 2019, 45, 770-788.	8.2	161
28	Echocardiography in the ICU: time for widespread use!. Intensive Care Medicine, 2006, 32, 9-10.	8.2	152
29	Cyclic Changes in Arterial Pulse during Respiratory Support Revisited by Doppler Echocardiography. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 671-676.	5.6	150
30	Transthoracic echocardiography and mortality in sepsis: analysis of the MIMIC-III database. Intensive Care Medicine, 2018, 44, 884-892.	8.2	145
31	Diagnostic workup, etiologies and management of acute right ventricle failure. Intensive Care Medicine, 2018, 44, 774-790.	8.2	141
32	Acute Cor Pulmonale in ARDS. Chest, 2015, 147, 259-265.	0.8	137
33	Determinants of long-term outcome in ICU survivors: results from the FROG-ICU study. Critical Care, 2018, 22, 8.	5.8	123
34	Cardiovascular clusters in septic shock combining clinical and echocardiographic parameters: a post hoc analysis. Intensive Care Medicine, 2019, 45, 657-667.	8.2	118
35	Current use of vasopressors in septic shock. Annals of Intensive Care, 2019, 9, 20.	4.6	109
36	A pilot study on safety and clinical utility of a single-use 72-hour indwelling transesophageal echocardiography probe. Intensive Care Medicine, 2013, 39, 629-635.	8.2	97

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37	Increasing respiratory rate to improve CO2 clearance during mechanical ventilation is not a panacea in acute respiratory failure*. Critical Care Medicine, 2002, 30, 1407-1412.	0.9	88
38	Basic ultrasound head-to-toe skills for intensivists in the general and neuro intensive care unit population: consensus and expert recommendationsÂof the European Society of Intensive Care MedicineÂ. Intensive Care Medicine, 2021, 47, 1347-1367.	8.2	83
39	Prone position improves mechanics and alveolar ventilation in acute respiratory distress syndrome. Intensive Care Medicine, 2005, 31, 220-226.	8.2	74
40	The PRICES statement: an ESICM expert consensus on methodology for conducting and reporting critical care echocardiography research studies. Intensive Care Medicine, 2021, 47, 1-13.	8.2	72
41	Limited value of end-expiratory inferior vena cava diameter to predict fluid responsiveness impact of intra-abdominal pressure. Intensive Care Medicine, 2018, 44, 197-203.	8.2	71
42	Alternatives to the Swanâ€“Ganz catheter. Intensive Care Medicine, 2018, 44, 730-741.	8.2	71
43	Rationale and Description of Right Ventricle-Protective Ventilation in ARDS. Respiratory Care, 2016, 61, 1391-1396.	1.6	67
44	Right ventricular failure in septic shock: characterization, incidence and impact on fluid responsiveness. Critical Care, 2020, 24, 630.	5.8	66
45	Ability and safety of a heated humidifier to control hypercapnic acidosis in severe ARDS. Intensive Care Medicine, 2002, 28, 1756-1760.	8.2	64
46	Increased mortality in patients with severe SARS-CoV-2 infection admitted within seven days of disease onset. Intensive Care Medicine, 2020, 46, 1714-1722.	8.2	64
47	Echocardiography findings in COVID-19 patients admitted to intensive care units: a multi-national observational study (the ECHO-COVID study). Intensive Care Medicine, 2022, 48, 667-678.	8.2	63
48	Impact of angiotensin-converting enzyme inhibitors or receptor blockers on post-ICU discharge outcome in patients with acute kidney injury. Intensive Care Medicine, 2018, 44, 598-605.	8.2	62
49	Acute, Fatal, Oral Chromic Acid Poisoning. Journal of Toxicology: Clinical Toxicology, 1999, 37, 333-336.	1.5	58
50	Comprehensive inâ€hospital monitoring in acute heart failure: applications for clinical practice and future directions for research. A statement from the Acute Heart Failure Committee of the Heart Failure Association (HFA) of the European Society of Cardiology (ESC). European Journal of Heart Failure, 2018, 20, 1081-1099.	7.1	57
51	Understanding cardiac failure in sepsis. Intensive Care Medicine, 2014, 40, 1560-1563.	8.2	55
52	Association of weaning failure from mechanical ventilation with transthoracic echocardiography parameters: a systematic review and meta-analysis. British Journal of Anaesthesia, 2021, 126, 319-330.	3.4	52
53	Critical care ultrasonography in acute respiratory failure. Critical Care, 2016, 20, 228.	5.8	48
54	Recommendations for core critical care ultrasound competencies as a part of specialist training in multidisciplinary intensive care: a framework proposed by the European Society of Intensive Care Medicine (ESICM). Critical Care, 2020, 24, 393.	5.8	43

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55	Number of supervised studies required to reach competence in advanced critical care transesophageal echocardiography. Intensive Care Medicine, 2013, 39, 1019-1024.	8.2	39
56	Right heart function during acute respiratory distress syndrome. Annals of Translational Medicine, 2017, 5, 295-295.	1.7	38
57	Value and determinants of the mean systemic filling pressure in critically ill patients. American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1003-H1007.	3.2	37
58	Current use of inotropes in circulatory shock. Annals of Intensive Care, 2021, 11, 21.	4.6	35
59	Ten reasons for performing hemodynamic monitoring using transesophageal echocardiography. Intensive Care Medicine, 2017, 43, 1048-1051.	8.2	34
60	Incidence and Outcome of Subclinical Acute Kidney Injury Using penKid in Critically Ill Patients. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 822-829.	5.6	31
61	The use of computerized echocardiographic simulation improves the learning curve for transesophageal hemodynamic assessment in critically ill patients. Annals of Intensive Care, 2016, 6, 27.	4.6	30
62	Systolic dysfunction as evaluated by tissue Doppler imaging echocardiography and mortality in septic patients: A systematic review and meta-analysis. Journal of Critical Care, 2021, 62, 256-264.	2.2	30
63	Cardiac dysfunction in sepsis. Intensive Care Medicine, 2016, 42, 2073-2076.	8.2	29
64	Critically ill patients with COVID-19: are they hemodynamically unstable and do we know why?. Intensive Care Medicine, 2021, 47, 254-255.	8.2	25
65	Early in-hospital management of cardiac arrest from neurological cause: Diagnostic pitfalls and treatment issues. Resuscitation, 2018, 132, 147-155.	3.0	24
66	The role of acute hypercapnia on mortality and short-term physiology in patients mechanically ventilated for ARDS: a systematic review and meta-analysis. Intensive Care Medicine, 2022, 48, 517-534.	8.2	24
67	Hemodynamic clinical phenotyping in septic shock. Current Opinion in Critical Care, 2021, 27, 290-297.	3.2	22
68	Echocardiographic Applications of M-Mode Ultrasonography in Anesthesiology and Critical Care. Journal of Cardiothoracic and Vascular Anesthesia, 2019, 33, 1559-1583.	1.3	21
69	One-Year Prognosis of Kidney Injury at Discharge From the ICU: A Multicenter Observational Study. Critical Care Medicine, 2019, 47, e953-e961.	0.9	21
70	Back-to-back comparison of penKID with NephroCheckÂ® to predict acute kidney injury at admission in intensive care unit: a brief report. Critical Care, 2018, 22, 24.	5.8	20
71	Systolic-dicrotic notch pressure difference can identify tachycardic patients with septic shock at risk of cardiovascular decompensation following pharmacological heart rate reduction. British Journal of Anaesthesia, 2020, 125, 1018-1024.	3.4	20
72	Impact of prone position in non-intubated spontaneously breathing patients admitted to the ICU for severe acute respiratory failure due to COVID-19. Journal of Critical Care, 2021, 64, 199-204.	2.2	20

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73	Epidemiology of extended-spectrum beta-lactamase-producing Enterobacteriaceae in an intensive care unit with no single rooms. Annals of Intensive Care, 2017, 7, 73.	4.6	19
74	Acute kidney injury in SARS-CoV2-related pneumonia ICU patients: a retrospective multicenter study. Annals of Intensive Care, 2021, 11, 86.	4.6	19
75	COVID-19-related echocardiographic patterns of cardiovascular dysfunction in critically ill patients: A systematic review of the current literature. Journal of Critical Care, 2021, 65, 26-35.	2.2	19
76	Omicron Variant in the Critical Care Units of the Paris Metropolitan Area: The Reality Research Group. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 349-363.	5.6	19
77	Fluid resuscitation in ICU patients: quo vadis?. Intensive Care Medicine, 2015, 41, 1667-1669.	8.2	17
78	Changes of Cardiac Function During Ultradistance TrailÂRunning. American Journal of Cardiology, 2015, 116, 1284-1289.	1.6	17
79	Neutrophil Extracellular Traps in SARS-CoV2 Related Pneumonia in ICU Patients: The NETCOV2 Study. Frontiers in Medicine, 2021, 8, 615984.	2.6	16
80	Acute Respiratory Distress Syndrome Cases Volume and ICU Mortality in Medical Patients. Critical Care Medicine, 2018, 46, e33-e40.	0.9	14
81	Myths about critical care echocardiography: the ten false beliefs that intensivists should understand. Intensive Care Medicine, 2015, 41, 1103-1106.	8.2	13
82	Beta-blockers in septic shock to optimize hemodynamics? No. Intensive Care Medicine, 2016, 42, 1610-1612.	8.2	13
83	Cardio-pulmonary-renal interactions in ICU patients. Role of mechanical ventilation, venous congestion and perfusion deficit on worsening of renal function: Insights from the MIMIC-III database. Journal of Critical Care, 2021, 64, 100-107.	2.2	13
84	The Use of Ultrasound in Caring for Patients with Sepsis. Clinics in Chest Medicine, 2016, 37, 299-307.	2.1	12
85	Non-antiarrhythmic interventions in new onset and paroxysmal sepsis-related atrial fibrillation. Intensive Care Medicine, 2018, 44, 94-97.	8.2	12
86	Reply to â€œLetter to the editor: Comments on â€˜Value and determinants of the mean systemic filling pressure in critically ill patients'â€: American Journal of Physiology - Heart and Circulatory Physiology, 2015, 309, H1372-H1373.	3.2	11
87	Impact of positive pressure ventilation on mean systemic filling pressure in critically ill patients after death. Journal of Applied Physiology, 2017, 122, 1373-1378.	2.5	11
88	Hypercapnia during acute respiratory distress syndrome: the tree that hides the forest!. Journal of Thoracic Disease, 2017, 9, 1420-1425.	1.4	11
89	Clinical examination: a trigger but not a substitute for hemodynamic evaluation. Intensive Care Medicine, 2019, 45, 269-271.	8.2	11
90	Right Ventricular Function in Acute Respiratory Distress Syndrome: Impact on Outcome, Respiratory Strategy and Use of Veno-Venous Extracorporeal Membrane Oxygenation. Frontiers in Physiology, 2021, 12, 797252.	2.8	11

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91	Year in review in Intensive Care Medicine 2014: II. ARDS, airway management, ventilation, adjuvants in sepsis, hepatic failure, symptoms assessment and management, palliative care and support for families, prognostication, organ donation, outcome, organisation and research methodology. Intensive Care Medicine, 2015, 41, 389-401.	8.2	10
92	Assessment of the effects of inspiratory load on right ventricular function. Current Opinion in Critical Care, 2016, 22, 254-259.	3.2	10
93	Value of measuring esophageal pressure to evaluate heart-lung interactionsâ€"applications for invasive hemodynamic monitoring. Annals of Translational Medicine, 2018, 6, 351-351.	1.7	9
94	Prediction of chronic kidney disease after acute kidney injury in ICU patients: study protocol for the PREDICT multicenter prospective observational study. Annals of Intensive Care, 2018, 8, 77.	4.6	8
95	Evaluation of right ventricular function and driving pressure with blood gas analysis could better select patients eligible for VV ECMO in severe ARDS. Critical Care, 2021, 25, 220.	5.8	8
96	The difficulty in defining right ventricular failure at the bedside and its clinical significance. Annals of Intensive Care, 2021, 11, 122.	4.6	8
97	On the complexity of scoring acute respiratory distress syndrome: do not forget hemodynamics!. Journal of Thoracic Disease, 2016, 8, E758-E764.	1.4	7
98	Transthoracic echocardiography to evaluate the superior vena cava in critically ill patients: window description and pilot study. Intensive Care Medicine, 2019, 45, 1052-1054.	8.2	7
99	Tracheal, Lung, and Diaphragmatic Applications of M-Mode Ultrasonography in Anesthesiology and Critical Care. Journal of Cardiothoracic and Vascular Anesthesia, 2021, 35, 310-322.	1.3	7
100	Emergency bedside ultrasound: benefits as well as caution â€“ part 1. General. Current Opinion in Critical Care, 2019, 25, 613-621.	3.2	6
101	Year in review in Intensive Care Medicine 2014: I. Cardiac dysfunction and cardiac arrest, ultrasound, neurocritical care, ICU-acquired weakness, nutrition, acute kidney injury, and miscellaneous. Intensive Care Medicine, 2015, 41, 179-191.	8.2	5
102	Emergency bedside ultrasound-benefits as well as caution. Current Opinion in Critical Care, 2019, 25, 605-612.	3.2	5
103	Focus on cardiac arrest. Intensive Care Medicine, 2016, 42, 1525-1527.	8.2	4
104	Lung ultrasonography and echocardiography in the Intensive Care Unit: a combined and practical approach. Minerva Anestesiologica, 2018, 84, 398-408.	1.0	4
105	Assessment of volume status and volume responsiveness in the ICU: Protocol for an observational, multicentre cohort study. Acta Anaesthesiologica Scandinavica, 2019, 63, 1102-1108.	1.6	4
106	Volume status and volume responsiveness in postoperative cardiac surgical patients: An observational, multicentre cohort study. Acta Anaesthesiologica Scandinavica, 2021, 65, 320-328.	1.6	4
107	Early echocardiography by treating physicians and outcome in the critically ill: An ancillary study from the prospective multicenter trial FROG-ICU. Journal of Critical Care, 2022, 69, 154013.	2.2	4
108	Hemodynamic monitoring of ARDS by critical care echocardiography. Journal of Emergency and Critical Care Medicine, 0, 3, 36-36.	0.7	3

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109	Lactate kinetics in critically ill: a new prognostic marker or just another brick in the wall?. Intensive Care Medicine, 2019, 45, 113-114.	8.2	3
110	Seasonal burden of severe influenza virus infection in the critically ill patients, using the Assistance Publique-HÃ´pitaux de Paris clinical data warehouse: a pilot study. Annals of Intensive Care, 2021, 11, 117.	4.6	3
111	Heart-lung interactions in the ICU: physiology, evaluation and clinical applications. Annals of Translational Medicine, 2018, 6, 346-346.	1.7	3
112	Scrutinizing the Mechanisms of West Nonâ€“Zone 3 Conditions during Tidal Ventilation. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 1262-1265.	5.6	3
113	Respective roles of hypercapnia and acidosis in acute distress respiratory syndrome. Intensive Care Medicine, 2022, , 1.	8.2	2
114	Cardiovascular issues in the ICU: a call for papers. Intensive Care Medicine, 2017, 43, 1892-1893.	8.2	1
115	Identifying early indicators of secondary peritonitis in critically ill patients with cirrhosis. Scientific Reports, 2021, 11, 21076.	3.3	1
116	Spontaneous coronary artery rupture in patients' with Ehlers-Danlos syndrome: Mini review. Cardiovascular Revascularization Medicine, 2021, , .	0.8	1
117	Characterising right ventricular dysfunction in COVID-19 ARDS: which measurements are the best? Authorâ€™s reply. Intensive Care Medicine, 0, , .	8.2	1
118	Hemodynamic Monitoring. Cardiology Research and Practice, 2012, 2012, 1-2.	1.1	0
119	What does acute onset means in the context of StaphylococcusÂaureus infective endocarditis? Description of a hyperacute infective endocarditis. Presse Medicale, 2016, 45, 933-935.	1.9	0
120	The passive leg raising under pressure: focus on the impact of intra-abdominal hypertension. Annals of Translational Medicine, 2020, 8, 801-801.	1.7	0
121	Cor Pulmonale. , 2021, , 163-170.		0
122	Assessment of ventriculo-arterial coupling from peripheral waveform analysis in septic shock. Reply to Br J Anaesth 2021; 126: e101-2. British Journal of Anaesthesia, 2021, 127, e17-e19.	3.4	0
123	Right-Ventricle Protective Ventilation. , 2022, , 418-424.		0
124	Right Ventricular Function. , 2020, , 139-144.		0
125	Echocardiography in ARDS. , 2020, , 187-193.		0
126	Impact of viral respiratory PCR panel assay on antibiotic therapy in patients with community-acquired pneumonia admitted to the intensive care unit. Infectious Diseases Now, 2021, 52, 54-54.	1.6	0

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127	Basic ultrasound skill for intensivists: future scope for expansion of the recommendations of the European Society of Intensive Care Medicine. Author's reply. Intensive Care Medicine, 2022, , .	8.2	0