Daniel De Backer

List of Publications by Year
in descending order

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		5268	2828
411	39,433	83	191
papers	citations	h-index	g-index

428	428	428	22021
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock: 2016. Intensive Care Medicine, 2017, 43, 304-377.	8.2	4,590
2	Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock: 2016. Critical Care Medicine, 2017, 45, 486-552.	0.9	2,336
3	Comparison of Dopamine and Norepinephrine in the Treatment of Shock. New England Journal of Medicine, 2010, 362, 779-789.	27.0	1,549
4	Microvascular Blood Flow Is Altered in Patients with Sepsis. American Journal of Respiratory and Critical Care Medicine, 2002, 166, 98-104.	5.6	1,401
5	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
6	Pulse pressure variations to predict fluid responsiveness: influence of tidal volume. Intensive Care Medicine, 2005, 31, 517-523.	8.2	1,199
7	Persistent microcirculatory alterations are associated with organ failure and death in patients with septic shock*. Critical Care Medicine, 2004, 32, 1825-1831.	0.9	1,185
8	Circulatory Shock. New England Journal of Medicine, 2013, 369, 1726-1734.	27.0	1,012
9	The prognostic value of muscle StO2 in septic patients. Intensive Care Medicine, 2007, 33, 1549-1556.	8.2	815
10	Effects of drotrecogin alfa activated on microcirculatory alterations in patients with severe sepsis. Critical Care Medicine, 2006, 34, 1918-1924.	0.9	690
11	How to evaluate the microcirculation: report of a round table conference. Critical Care, 2007, 11, R101.	5.8	685
12	Microcirculatory Alterations in Cardiac Surgery: Effects of Cardiopulmonary Bypass and Anesthesia. Annals of Thoracic Surgery, 2009, 88, 1396-1403.	1.3	665
13	The cuff leak test to predict failure of tracheal extubation for laryngeal edema. Intensive Care Medicine, 2002, 28, 1267-1272.	8.2	650
14	A Unified Theory of Sepsis-Induced Acute Kidney Injury. Shock, 2014, 41, 3-11.	2.1	602
15	Pneumonia-Induced Sepsis and Gut Injury: Effects of a Poly-(ADP-Ribose) Polymerase Inhibitor. Journal of Surgical Research, 2005, 129, 292-297.	1.6	527
16	The effects of dobutamine on microcirculatory alterations in patients with septic shock are independent of its systemic effects*. Critical Care Medicine, 2006, 34, 403-408.	0.9	487
17	Microcirculatory Alterations in Patients With Severe Sepsis. Critical Care Medicine, 2013, 41, 791-799.	0.9	457
18	The Endothelium in Sepsis. Shock, 2016, 45, 259-270.	2.1	453

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19	Fluid challenges in intensive care: the FENICE study. Intensive Care Medicine, 2015, 41, 1529-1537.	8.2	442
20	Microvascular alterations in patients with acute severe heart failure and cardiogenic shock. American Heart Journal, 2004, 147, 91-99.	2.7	414
21	Position Paper for the Organization of Extracorporeal Membrane Oxygenation Programs for Acute Respiratory Failure in Adult Patients. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 488-496.	5.6	400
22	Effects of dopamine, norepinephrine, and epinephrine on the splanchnic circulation in septic shock: Which is best?*. Critical Care Medicine, 2003, 31, 1659-1667.	0.9	388
23	Effects of fluids on microvascular perfusion in patients with severe sepsis. Intensive Care Medicine, 2010, 36, 949-955.	8.2	381
24	Does dopamine administration in shock influence outcome? Results of the Sepsis Occurrence in Acutely Ill Patients (SOAP) Study*. Critical Care Medicine, 2006, 34, 589-597.	0.9	380
25	Dopamine versus norepinephrine in the treatment of septic shock. Critical Care Medicine, 2012, 40, 725-730.	0.9	337
26	Clinical review: Update on hemodynamic monitoring - a consensus of 16. Critical Care, 2011, 15, 229.	5.8	326
27	The Surviving Sepsis Campaign bundles and outcome: results from the International Multicentre Prevalence Study on Sepsis (the IMPreSS study). Intensive Care Medicine, 2015, 41, 1620-1628.	8.2	323
28	Monitoring the microcirculation in the critically ill patient: current methods and future approaches. Intensive Care Medicine, 2010, 36, 1813-1825.	8.2	312
29	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
30	Insufficient Î²-lactam concentrations in the early phase of severe sepsis and septic shock. Critical Care, 2010, 14, R126.	5.8	303
31	Pathophysiology of microcirculatory dysfunction and the pathogenesis of septic shock. Virulence, 2014, 5, 73-79.	4.4	297
32	Albumin administration improves organ function in critically ill hypoalbuminemic patients: A prospective, randomized, controlled, pilot study*. Critical Care Medicine, 2006, 34, 2536-2540.	0.9	272
33	Microvascular response to red blood cell transfusion in patients with severe sepsis*. Critical Care Medicine, 2007, 35, 1639-1644.	0.9	271
34	Methylene blue administration in septic shock. Critical Care Medicine, 1995, 23, 259-264.	0.9	270
35	A PILOT-CONTROLLED STUDY OF A POLYMYXIN B-IMMOBILIZED HEMOPERFUSION CARTRIDGE IN PATIENTS WITH SEVERE SEPSIS SECONDARY TO INTRA-ABDOMINAL INFECTION. Shock, 2005, 23, 400-405.	2.1	264
36	Oxygen Uptake/Supply Dependency: Effects of Short-term Dobutamine Infusion. The American Review of Respiratory Disease, 1990, 142, 2-7.	2.9	239

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37	Sublingual capnometry tracks microcirculatory changes in septic patients. Intensive Care Medicine, 2006, 32, 516-523.	8.2	216
38	Evaluation of sublingual and gut mucosal microcirculation in sepsis: A quantitative analysis*. Critical Care Medicine, 2009, 37, 2875-2881.	0.9	216
39	Less invasive hemodynamic monitoring in critically ill patients. Intensive Care Medicine, 2016, 42, 1350-1359.	8.2	212
40	International consensus statement on training standards for advanced critical care echocardiography. Intensive Care Medicine, 2014, 40, 654-666.	8.2	201
41	Recommended Î²-lactam regimens are inadequate in septic patients treated with continuous renal replacement therapy. Critical Care, 2011, 15, R137.	5.8	191
42	Microcirculatory alterations: potential mechanisms and implications for therapy. Annals of Intensive Care, 2011, 1, 27.	4.6	190
43	Influence of Respiratory Rate on Stroke Volume Variation in Mechanically Ventilated Patients. Anesthesiology, 2009, 110, 1092-1097.	2.5	183
44	Feasibility and safety of extracorporeal CO2 removal to enhance protective ventilation in acute respiratory distress syndrome: the SUPERNOVA study. Intensive Care Medicine, 2019, 45, 592-600.	8.2	175
45	Lactic acidosis. Intensive Care Medicine, 2003, 29, 699-702.	8.2	172
46	Revisiting the loading dose of amikacin for patients with severe sepsis and septic shock. Critical Care, 2010, 14, R53.	5.8	163
47	Effects of changes in arterial pressure on organ perfusion during septic shock. Critical Care, 2011, 15, R222.	5.8	163
48	Lactate Production by the Lungs in Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 1997, 156, 1099-1104.	5.6	161
49	Coupling microcirculation to systemic hemodynamics. Current Opinion in Critical Care, 2010, 16, 250-254.	3.2	159
50	Surviving sepsis campaign: research priorities for sepsis and septic shock. Intensive Care Medicine, 2018, 44, 1400-1426.	8.2	159
51	Renal replacement therapy in acute kidney injury: controversy and consensus. Critical Care, 2015, 19, 146.	5.8	157
52	Cerebral microcirculation is impaired during sepsis: an experimental study. Critical Care, 2010, 14, R140.	5.8	155
53	Sepsis: frontiers in diagnosis, resuscitation and antibiotic therapy. Intensive Care Medicine, 2016, 42, 1958-1969.	8.2	151
54	How can the response to volume expansion in patients with spontaneous respiratory movements be predicted?. Critical Care, 2006, 10, R102.	5.8	149

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55	Does Hepato-splanchnic VË™o2/Do2Dependency Exist in Critically Ill Septic Patients?. American Journal of Respiratory and Critical Care Medicine, 1998, 157, 1219-1225.	5.6	147
56	Microvascular dysfunction as a cause of organ dysfunction in severe sepsis. Critical Care, 2005, 9, S9.	5.8	147
57	Can changes in arterial pressure be used to detect changes in cardiac index during fluid challenge in patients with septic shock?. Intensive Care Medicine, 2012, 38, 422-428.	8.2	146
58	Point-of-care ultrasound in intensive care units: assessment of 1073 procedures in a multicentric, prospective, observational study. Intensive Care Medicine, 2015, 41, 1638-1647.	8.2	145
59	Should we measure the central venous pressure to guide fluid management? Ten answers to 10 questions. Critical Care, 2018, 22, 43.	5.8	143
60	Low-Dose Vasopressin in the Treatment of Septic Shock in Sheep. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 481-486.	5.6	140
61	Can venous-to-arterial carbon dioxide differences reflect microcirculatory alterations in patients with septic shock?. Intensive Care Medicine, 2016, 42, 211-221.	8.2	140
62	Monitoring Gastric Mucosal Carbon Dioxide Pressure Using Gas Tonometry. Anesthesiology, 1997, 87, 504-510.	2.5	132
63	Extracorporeal cardiopulmonary resuscitation. Current Opinion in Critical Care, 2014, 20, 259-265.	3.2	124
64	Arterial pressure-based cardiac output monitoring: a multicenter validation of the third-generation software in septic patients. Intensive Care Medicine, 2011, 37, 233-240.	8.2	121
65	Relative adrenal insufficiency in patients with septic shock: Comparison of low-dose and conventional corticotropin tests*. Critical Care Medicine, 2005, 33, 2479-2486.	0.9	114
66	Assessment of left ventricular function by pulse wave analysis in critically ill patients. Intensive Care Medicine, 2013, 39, 1025-1033.	8.2	111
67	Oxygen transportâ€"the oxygen delivery controversy. Intensive Care Medicine, 2004, 30, 1990-1996.	8.2	109
68	Combination of arterial lactate levels and venous-arterial CO2 to arterial-venous O2 content difference ratio as markers of resuscitation in patients with septic shock. Intensive Care Medicine, 2015, 41, 796-805.	8.2	109
69	Current use of vasopressors in septic shock. Annals of Intensive Care, 2019, 9, 20.	4.6	109
70	Effects of vasoactive drugs on gastric intramucosal pH. Critical Care Medicine, 1998, 26, 1749-1758.	0.9	105
71	Epidemiology of intra-abdominal infection and sepsis in critically ill patients: â€œAbSeSâ€• a multinational observational cohort study and ESICM Trials Group Project. Intensive Care Medicine, 2019, 45, 1703-1717.	8.2	103
72	Surviving Sepsis Campaign: Research Priorities for Sepsis and Septic Shock. Critical Care Medicine, 2018, 46, 1334-1356.	0.9	102

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73	Antimicrobial resistance and antibiotic stewardship programs in the ICU: insistence and persistence in the fight against resistance. A position statement from ESICM/ESCMID/WAAAR round table on multi-drug resistance. Intensive Care Medicine, 2018, 44, 189-196.	8.2	101
74	Sepsis Is Associated With Altered Cerebral Microcirculation and Tissue Hypoxia in Experimental Peritonitis*. Critical Care Medicine, 2014, 42, e114-e122.	0.9	98
75	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
76	Oxygen supply dependency can characterize septic shock. Intensive Care Medicine, 1998, 24, 118-123.	8.2	94
77	European society of intensive care medicine study of therapeutic hypothermia (32-35Â°C) for intracranial pressure reduction after traumatic brain injury (the Eurotherm3235Trial). Trials, 2011, 12, 8.	1.6	94
78	Advances in antibiotic therapy in the critically ill. Critical Care, 2016, 20, 133.	5.8	94
79	Î²-Lactam pharmacokinetics during extracorporeal membrane oxygenation therapy: A caseâ€“control study. International Journal of Antimicrobial Agents, 2015, 45, 278-282.	2.5	93
80	Fluid management in sepsis: The potential beneficial effects of albumin. Journal of Critical Care, 2016, 35, 161-167.	2.2	93
81	Case-Control Study of Drug Monitoring of Î²-Lactams in Obese Critically Ill Patients. Antimicrobial Agents and Chemotherapy, 2013, 57, 708-715.	3.2	92
82	Does gastric tonometry monitor splanchnic perfusion?. Critical Care Medicine, 1999, 27, 2480-2484.	0.9	91
83	Do All Nonsurvivors of Cardiogenic Shock Die With a Low Cardiac Index? *. Chest, 2003, 124, 1885-1891.	0.8	87
84	Extracorporeal life support associated with hypothermia and normoxemia in refractory cardiac arrest. Resuscitation, 2013, 84, 1519-1524.	3.0	86
85	Effects of propofol on human microcirculation. British Journal of Anaesthesia, 2008, 101, 473-478.	3.4	83
86	Vancomycin population pharmacokinetics during extracorporeal membrane oxygenation therapy: a matched cohort study. Critical Care, 2014, 18, 632.	5.8	83
87	Can one predict fluid responsiveness in spontaneously breathing patients?. Intensive Care Medicine, 2007, 33, 1111-1113.	8.2	82
88	Lactate/Pyruvate Ratio as a Marker of Tissue Hypoxia in Circulatory and Septic Shock. Anaesthesia and Intensive Care, 2012, 40, 427-432.	0.7	82
89	Effects of dobutamine on oxygen consumption in septic patients. Direct versus indirect determinations.. American Journal of Respiratory and Critical Care Medicine, 1994, 150, 95-100.	5.6	80
90	The Impact of Renal Failure and Renal Replacement Therapy on Outcome During Extracorporeal Membrane Oxygenation Therapy. Artificial Organs, 2016, 40, 746-754.	1.9	80

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91	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
92	Î³-GLOBULIN LEVELS IN PATIENTS WITH COMMUNITY-ACQUIRED SEPTIC SHOCK. Shock, 2009, 32, 379-385.	2.1	79
93	How monitoring of the microcirculation may help us at the bedside. Current Opinion in Critical Care, 2005, 11, 240-244.	3.2	78
94	Normobaric hyperoxia alters the microcirculation in healthy volunteers. Microvascular Research, 2015, 98, 23-28.	2.5	76
95	Relationship between oxygen uptake and oxygen delivery in septic Patients. Critical Care Medicine, 1993, 21, 1658-1664.	0.9	75
96	Effects of hydrocortisone on microcirculatory alterations in patients with septic shock*. Critical Care Medicine, 2009, 37, 1341-1347.	0.9	75
97	Surviving Sepsis Guidelines. JAMA - Journal of the American Medical Association, 2017, 317, 807.	7.4	72
98	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
99	Alternatives to the Swanâ€“Ganz catheter. Intensive Care Medicine, 2018, 44, 730-741.	8.2	71
100	The hepatosplanchnic area is not a common source of lactate in patients with severe sepsis. Critical Care Medicine, 2001, 29, 256-261.	0.9	70
101	A global perspective on vasoactive agents in shock. Intensive Care Medicine, 2018, 44, 833-846.	8.2	69
102	Sublingual and muscular microcirculatory alterations after cardiac arrest: A pilot study. Resuscitation, 2011, 82, 690-695.	3.0	68
103	Monitoring the microcirculation. Journal of Clinical Monitoring and Computing, 2012, 26, 361-366.	1.6	68
104	A Dobutamine Test Can Disclose Hepatosplanchnic Hypoperfusion in Septic Patients. American Journal of Respiratory and Critical Care Medicine, 1999, 160, 839-845.	5.6	67
105	Effect of vasopressin on sublingual microcirculation in a patient with distributive shock. Intensive Care Medicine, 2003, 29, 1020-1023.	8.2	67
106	A LARGE-BOLUS INJECTION, BUT NOT CONTINUOUS INFUSION OF SODIUM SELENITE IMPROVES OUTCOME IN PERITONITIS. Shock, 2009, 32, 140-146.	2.1	66
107	Cardiac output estimation using pulse wave analysisâ€”physiology, algorithms, and technologies: a narrative review. British Journal of Anaesthesia, 2021, 126, 67-76.	3.4	66
108	Determinants of early inadequate vancomycin concentrations during continuous infusion in septic patients. International Journal of Antimicrobial Agents, 2012, 39, 332-337.	2.5	59

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109	Assessment of the microcirculatory flow in patients in the intensive care unit. Current Opinion in Critical Care, 2001, 7, 200-203.	3.2	57
110	Pharmacokinetics of a loading dose of amikacin in septic patients undergoing continuous renal replacement therapy. International Journal of Antimicrobial Agents, 2011, 37, 531-535.	2.5	57
111	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
112	Myocardial dysfunction during H1N1 influenza infection. Journal of Critical Care, 2013, 28, 321-327.	2.2	56
113	Current practice and evolving concepts in septic shock resuscitation. Intensive Care Medicine, 2022, 48, 148-163.	8.2	55
114	Relation Between Oxygen Consumption and Oxygen Delivery in Patients After Cardiac Surgery. Anesthesia and Analgesia, 1993, 77, 1104???1110.	2.2	54
115	Challenges in the management of septic shock: a narrative review. Intensive Care Medicine, 2019, 45, 420-433.	8.2	52
116	Clinical review: influence of vasoactive and other therapies on intestinal and hepatic circulations in patients with septic shock. Critical Care, 2003, 8, 170.	5.8	51
117	RAPID ALTERATIONS IN TRANSFERRIN SIALYLATION DURING SEPSIS. Shock, 2005, 24, 48-52.	2.1	50
118	Administration of tetrahydrobiopterin improves the microcirculation and outcome in an ovine model of septic shock*. Critical Care Medicine, 2012, 40, 2833-2840.	0.9	50
119	Lactic acidosis: An early marker of propofol infusion syndrome?. Intensive Care Medicine, 2004, 30, 522-522.	8.2	49
120	InFACT: a global critical care research response to H1N1. Lancet, The, 2010, 375, 11-13.	13.7	49
121	The Surviving Sepsis Campaign: Research Priorities for Coronavirus Disease 2019 in Critical Illness. Critical Care Medicine, 2021, 49, 598-622.	0.9	49
122	High-Altitude Pulmonary Edema With Primary Pulmonary Hypertension. Chest, 1996, 110, 286-289.	0.8	48
123	Pulse Wave Analysis to Estimate Cardiac Output. Anesthesiology, 2021, 134, 119-126.	2.5	47
124	Minimizing catecholamines and optimizing perfusion. Critical Care, 2019, 23, 149.	5.8	45
125	Hemodynamic responses to successful weaning from mechanical ventilation after cardiovascular surgery. Intensive Care Medicine, 2000, 26, 1201-1206.	8.2	44
126	Effects of fluid challenge on gastric mucosal PCO 2 in septic patients. Intensive Care Medicine, 2004, 30, 423-429.	8.2	44

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127	High mixed venous oxygen saturation levels do not exclude fluid responsiveness in critically ill septic patients. Critical Care, 2011, 15, R177.	5.8	44
128	Early management of sepsis. Clinical and Experimental Emergency Medicine, 2014, 1, 3-7.	1.6	44
129	Circulatory Shock. New England Journal of Medicine, 2014, 370, 582-583.	27.0	44
130	Outcome of elderly patients with circulatory failure. Intensive Care Medicine, 2014, 40, 50-56.	8.2	44
131	Continuous infusion of vancomycin in septic patients receiving continuous renal replacement therapy. International Journal of Antimicrobial Agents, 2013, 41, 261-266.	2.5	43
132	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
133	The hemodynamic effects of norepinephrine: far more than an increase in blood pressure!. Annals of Translational Medicine, 2018, 6, S25-S25.	1.7	43
134	Regional Effects of Dobutamine in Endotoxic Shock. Journal of Surgical Research, 1996, 65, 93-100.	1.6	42
135	Cardiac output measurements using the bioreactance technique in critically ill patients. Critical Care, 2012, 16, 460.	5.8	42
136	Can changes in renal function predict variations in Î²-lactam concentrations in septic patients?. International Journal of Antimicrobial Agents, 2013, 42, 422-428.	2.5	41
137	The fluid challenge. Critical Care, 2020, 24, 703.	5.8	41
138	Hypertonic Saline Solution-Hetastarch for Fluid Resuscitation in Experimental Septic Shock. Anesthesia and Analgesia, 1989, 69, 714???720.	2.2	40
139	Year in review in Intensive Care Medicine 2011. II. Cardiovascular, infections, pneumonia and sepsis, critical care organization and outcome, education, ultrasonography, metabolism and coagulation. Intensive Care Medicine, 2012, 38, 345-358.	8.2	40
140	The pulmonary artery catheter: is it still alive?. Current Opinion in Critical Care, 2018, 24, 204-208.	3.2	40
141	Determinants of the effect of extracorporeal carbon dioxide removal in the SUPERNOVA trial: implications for trial design. Intensive Care Medicine, 2019, 45, 1219-1230.	8.2	40
142	Septic shock: a microcirculation disease. Current Opinion in Anaesthesiology, 2021, 34, 85-91.	2.0	40
143	Lactate-guided resuscitation saves lives: we are not sure. Intensive Care Medicine, 2016, 42, 472-474.	8.2	38
144	Equilibrating SSC guidelines with individualized care. Critical Care, 2021, 25, 397.	5.8	38

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145	Link between coagulation abnormalities and microcirculatory dysfunction in critically ill patients. Current Opinion in Anaesthesiology, 2009, 22, 150-154.	2.0	37
146	Intensive Care Ultrasound: VI. Fluid Responsiveness and Shock Assessment. Annals of the American Thoracic Society, 2014, 11, 129-136.	3.2	37
147	Monitoring the microcirculation in critically ill patients. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2014, 28, 441-451.	4.0	37
148	Evaluation of endothelial damage in sepsis-related ARDS using circulating endothelial cells. Intensive Care Medicine, 2015, 41, 231-238.	8.2	37
149	Septic Shock of Early or Late Onset. Chest, 2004, 126, 173-178.	0.8	36
150	Efficacy of allogeneic red blood cell transfusions. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2007, 21, 209-219.	4.0	36
151	Strongyloides disseminated infection successfully treated with parenteral ivermectin: case report with drug concentration measurements and review of the literature. International Journal of Antimicrobial Agents, 2013, 42, 580-583.	2.5	36
152	Does Disseminated Intravascular Coagulation Lead to Multiple Organ Failure?. Critical Care Clinics, 2005, 21, 469-477.	2.6	35
153	Effects of Different Crystalloid Solutions on Hemodynamics, Peripheral Perfusion, and the Microcirculation in Experimental Abdominal Sepsis. Anesthesiology, 2016, 125, 744-754.	2.5	35
154	Current use of inotropes in circulatory shock. Annals of Intensive Care, 2021, 11, 21.	4.6	35
155	Assessment of Cardiac Index in Anemic Patients. Chest, 2000, 118, 782-787.	0.8	34
156	Hemodynamic assessment: the technique or the physician at fault?. Intensive Care Medicine, 2003, 29, 1865-1867.	8.2	34
157	Evaluation of cardiac output in intensive care using a nonâ€invasive arterial pulse contour technique (Nexfin^{Â®}) compared with echocardiography. Anaesthesia, 2013, 68, 917-923.	3.8	34
158	Effects of fluid administration on renal perfusion in critically ill patients. Critical Care, 2015, 19, 250.	5.8	34
159	Days alive and free as an alternative to a mortality outcome in pivotal vasopressor and septic shock trials. Journal of Critical Care, 2018, 47, 333-337.	2.2	34
160	Optimal Adrenergic Support in Septic Shock Due to Peritonitis. Anesthesiology, 2003, 98, 888-896.	2.5	33
161	Gut mucosal damage during endotoxic shock is due to mechanisms other than gut ischemia. Journal of Applied Physiology, 2003, 95, 2047-2054.	2.5	33
162	Endocan as an early biomarker of severity in patients with acute respiratory distress syndrome. Annals of Intensive Care, 2017, 7, 93.	4.6	33

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163	EFFECTS OF A SELECTIVE iNOS INHIBITOR VERSUS NOREPINEPHRINE IN THE TREATMENT OF SEPTIC SHOCK. Shock, 2010, 34, 243-249.	2.1	32
164	Early goal-directed therapy: do we have a definitive answer?. Intensive Care Medicine, 2016, 42, 1048-1050.	8.2	32
165	Multisystem Inflammatory Syndrome With Complete Kawasaki Disease Features Associated With SARS-CoV-2 Infection in a Young Adult. A Case Report. Frontiers in Medicine, 2020, 7, 428.	2.6	32
166	Dobutamine increases cerebral blood flow velocity and jugular bulb hemoglobin saturation in septic patients. Critical Care Medicine, 1997, 25, 392-398.	0.9	31
167	Understanding hypovolaemia. Intensive Care Medicine, 2014, 40, 613-615.	8.2	30
168	Effects of Î± - and Î² -adrenergic stimulation on hepatosplanchnic perfusion and oxygen extraction in endotoxic shock. Critical Care Medicine, 2001, 29, 581-588.	0.9	29
169	Can passive leg raising be used to guide fluid administration?. Critical Care, 2006, 10, 170.	5.8	29
170	A new device for the prevention of pulmonary embolism in critically ill patients. Journal of Trauma and Acute Care Surgery, 2015, 79, 456-462.	2.1	29
171	Correction of metabolic acidosis in experimental CPR: A comparative study of sodium bicarbonate, carbicarb, and dextrose. Annals of Emergency Medicine, 1991, 20, 235-238.	0.6	28
172	Effects of Dobutamine on the Relationship between Oxygen Consumption and Delivery in Healthy Volunteers: Comparison with Sodium Nitroprusside. Clinical Science, 1996, 90, 105-111.	4.3	28
173	Detailing the cardiovascular profile in shock patients. Critical Care, 2017, 21, 311.	5.8	28
174	Research in Extracorporeal Life Support. Chest, 2018, 153, 788-791.	0.8	28
175	Cardiogenic Shock with Stunned Myocardium during Triple-H Therapy Treated with Intra-aortic Balloon Pump Counterpulsation. Neurocritical Care, 2009, 10, 76-82.	2.4	27
176	A high-dose aminoglycoside regimen combined with renal replacement therapy for the treatment of MDR pathogens: a proof-of-concept study. Journal of Antimicrobial Chemotherapy, 2016, 71, 1386-1394.	3.0	27
177	Effects of dobutamine on intestinal microvascular blood flow heterogeneity and O₂ extraction during septic shock. Journal of Applied Physiology, 2017, 122, 1406-1417.	2.5	27
178	Is microcirculatory assessment ready for regular use in clinical practice?. Current Opinion in Critical Care, 2019, 25, 280-284.	3.2	27
179	The Surviving Sepsis Campaign: research priorities for the administration, epidemiology, scoring and identification of sepsis. Intensive Care Medicine Experimental, 2021, 9, 34.	1.9	27
180	Recruiting the microcirculation in septic shock. Annals of Intensive Care, 2019, 9, 102.	4.6	27

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181	Calcium chloride in experimental electromechanical dissociation. Critical Care Medicine, 1987, 15, 324-327.	0.9	26
182	Effects of dobutamine and prostacyclin on cerebral blood flow velocity in septic patients. Journal of Critical Care, 1994, 9, 1-6.	2.2	26
183	The cuff-leak test: what are we measuring?. Critical Care, 2004, 9, 31.	5.8	26
184	The effects of positive end-expiratory pressure on the splanchnic circulation. Intensive Care Medicine, 2000, 26, 361-363.	8.2	25
185	Prediction of Postoperative Complications After Urgent Laparotomy by Intraperitoneal Microdialysis. Annals of Surgery, 2006, 244, 994-1002.	4.2	25
186	Norepinephrine improves cardiac function during septic shock, but why?. British Journal of Anaesthesia, 2018, 120, 421-424.	3.4	25
187	The Surviving Sepsis Campaign: Fluid Resuscitation and Vasopressor Therapy Research Priorities in Adult Patients. Critical Care Medicine, 2021, 49, 623-635.	0.9	25
188	Oxygen uptake/oxygen supply dependency: Fact or fiction?. Acta Anaesthesiologica Scandinavica, 1995, 39, 229-237.	1.6	24
189	EFFECTS OF DOBUTAMINE ON HEPATO-SPLANCHNIC HEMODYNAMICS IN AN EXPERIMENTAL MODEL OF HYPERDYNAMIC ENDOTOXIC SHOCK. Shock, 2001, 15, 208-214.	2.1	24
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