

Mervyn Singer

List of Publications by Year in descending order

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Version: 2024-02-01

409
papers

61,117
citations

4370

86
h-index

981

237
g-index

432
all docs

432
docs citations

432
times ranked

43496
citing authors

#	ARTICLE	IF	CITATIONS
1	The Third International Consensus Definitions for Sepsis and Septic Shock (Sepsis-3). JAMA - Journal of the American Medical Association, 2016, 315, 801.	3.8	16,554
2	Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock: 2016. Intensive Care Medicine, 2017, 43, 304-377.	3.9	4,590
3	Hydrocortisone Therapy for Patients with Septic Shock. New England Journal of Medicine, 2008, 358, 111-124.	13.9	2,900
4	Assessment of Clinical Criteria for Sepsis. JAMA - Journal of the American Medical Association, 2016, 315, 762.	3.8	2,727
5	Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock: 2016. Critical Care Medicine, 2017, 45, 486-552.	0.4	2,336
6	Developing a New Definition and Assessing New Clinical Criteria for Septic Shock. JAMA - Journal of the American Medical Association, 2016, 315, 775.	3.8	1,622
7	Assessment of the clinical effectiveness of pulmonary artery catheters in management of patients in intensive care (PAC-Man): a randomised controlled trial. Lancet, The, 2005, 366, 472-477.	6.3	1,524
8	Recommendations for the diagnosis and management of corticosteroid insufficiency in critically ill adult patients: Consensus statements from an international task force by the American College of Critical Care Medicine. Critical Care Medicine, 2008, 36, 1937-1949.	0.4	1,405
9	Association between mitochondrial dysfunction and severity and outcome of septic shock. Lancet, The, 2002, 360, 219-223.	6.3	1,360
10	Trial of Early, Goal-Directed Resuscitation for Septic Shock. New England Journal of Medicine, 2015, 372, 1301-1311.	13.9	1,299
11	Executive summary of the guidelines on the diagnosis and treatment of acute heart failure: The Task Force on Acute Heart Failure of the European Society of Cardiology. European Heart Journal, 2005, 26, 384-416.	1.0	1,114
12	Intraoperative intravascular volume optimisation and length of hospital stay after repair of proximal femoral fracture: randomised controlled trial. BMJ: British Medical Journal, 1997, 315, 909-912.	2.4	674
13	Mechanisms of sepsis-induced cardiac dysfunction. Critical Care Medicine, 2007, 35, 1599-1608.	0.4	612
14	Effect of Heart Rate Control With Esmolol on Hemodynamic and Clinical Outcomes in Patients With Septic Shock. JAMA - Journal of the American Medical Association, 2013, 310, 1683.	3.8	542
15	Multiorgan failure is an adaptive, endocrine-mediated, metabolic response to overwhelming systemic inflammation. Lancet, The, 2004, 364, 545-548.	6.3	537
16	Effect of Conservative vs Conventional Oxygen Therapy on Mortality Among Patients in an Intensive Care Unit. JAMA - Journal of the American Medical Association, 2016, 316, 1583.	3.8	523
17	Mitochondrial dysfunction in a long-term rodent model of sepsis and organ failure. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2004, 286, R491-R497.	0.9	455
18	The role of mitochondrial dysfunction in sepsis-induced multi-organ failure. Virulence, 2014, 5, 66-72.	1.8	440

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19	Prevalence and Outcomes of Infection Among Patients in Intensive Care Units in 2017. JAMA - Journal of the American Medical Association, 2020, 323, 1478.	3.8	419
20	Early, Goal-Directed Therapy for Septic Shock – A Patient-Level Meta-Analysis. New England Journal of Medicine, 2017, 376, 2223-2234.	13.9	416
21	Mechanisms of sepsis-induced organ dysfunction. Critical Care Medicine, 2007, 35, 2408-2416.	0.4	380
22	Survival in Critical Illness Is Associated with Early Activation of Mitochondrial Biogenesis. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 745-751.	2.5	370
23	Genomic characteristics and clinical effect of the emergent SARS-CoV-2 B.1.1.7 lineage in London, UK: a whole-genome sequencing and hospital-based cohort study. Lancet Infectious Diseases, The, 2021, 21, 1246-1256.	4.6	363
24	Effects of levosimendan on systemic and regional hemodynamics in septic myocardial depression. Intensive Care Medicine, 2005, 31, 638-644.	3.9	332
25	Clinical review: Update on hemodynamic monitoring - a consensus of 16. Critical Care, 2011, 15, 229.	2.5	326
26	Tracheostomy in the COVID-19 era: global and multidisciplinary guidance. Lancet Respiratory Medicine, the, 2020, 8, 717-725.	5.2	312
27	Randomised controlled trial assessing the impact of a nurse delivered, flow monitored protocol for optimisation of circulatory status after cardiac surgery. BMJ: British Medical Journal, 2004, 329, 258.	2.4	290
28	Isolation of patients in single rooms or cohorts to reduce spread of MRSA in intensive-care units: prospective two centre study. Lancet, The, 2005, 365, 295-304.	6.3	290
29	Terlipressin for norepinephrine-resistant septic shock. Lancet, The, 2002, 359, 1209-1210.	6.3	274
30	Levosimendan for the Prevention of Acute Organ Dysfunction in Sepsis. New England Journal of Medicine, 2016, 375, 1638-1648.	13.9	271
31	Continuous hemodynamic monitoring by esophageal Doppler. Critical Care Medicine, 1989, 17, 447-452.	0.4	268
32	Measurement of H ₂ O ₂ within Living Drosophila during Aging Using a Ratiometric Mass Spectrometry Probe Targeted to the Mitochondrial Matrix. Cell Metabolism, 2011, 13, 340-350.	7.2	267
33	Alteration of the sublingual microvascular glycocalyx in critically ill patients. Microvascular Research, 2013, 90, 86-89.	1.1	264
34	Arterial hyperoxia and mortality in critically ill patients: a systematic review and meta-analysis. Critical Care, 2014, 18, 711.	2.5	244
35	Key bioactive reaction products of the NO/H ₂ O ₂ interaction are S/N-hybrid species, polysulfides, and nitroxyl. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, E4651-60.	3.3	243
36	Pathophysiology of sepsis-induced cardiomyopathy. Nature Reviews Cardiology, 2021, 18, 424-434.	6.1	237

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37	Animal models of sepsis: Why does preclinical efficacy fail to translate to the clinical setting?. Critical Care Medicine, 2009, 37, S30-S37.	0.4	235
38	The validity of trans-esophageal Doppler ultrasonography as a measure of cardiac output in critically ill adults. Intensive Care Medicine, 2004, 30, 2060-2066.	3.9	230
39	Adrenal function in sepsis: The retrospective Corticus cohort study. Critical Care Medicine, 2007, 35, 1012-1018.	0.4	227
40	Mitochondrial function in sepsis: Acute phase versus multiple organ failure. Critical Care Medicine, 2007, 35, S441-S448.	0.4	221
41	Vasopressin: Mechanisms of action on the vasculature in health and in septic shock. Critical Care Medicine, 2007, 35, 33-40.	0.4	206
42	COVID-19-associated hyperinflammation and escalation of patient care: a retrospective longitudinal cohort study. Lancet Rheumatology, The, 2020, 2, e594-e602.	2.2	200
43	Medication errors: a prospective cohort study of hand-written and computerised physician order entry in the intensive care unit. Critical Care, 2005, 9, R516.	2.5	194
44	The effects of etomidate on adrenal responsiveness and mortality in patients with septic shock. Intensive Care Medicine, 2009, 35, 1868-1876.	3.9	191
45	Cardioprotection, attenuated systemic inflammation, and survival benefit of β_1 -adrenoceptor blockade in severe sepsis in rats*. Critical Care Medicine, 2010, 38, 388-394.	0.4	181
46	Inflammation and Endothelial Function. Circulation, 2005, 111, 1530-1536.	1.6	175
47	In vivo killing of Staphylococcus aureus using a light-activated antimicrobial agent. BMC Microbiology, 2009, 9, 27.	1.3	173
48	Sepsis therapies: learning from 30 years of failure of translational research to propose new leads. EMBO Molecular Medicine, 2020, 12, e10128.	3.3	166
49	Noninvasive optimization of left ventricular filling using esophageal Doppler. Critical Care Medicine, 1991, 19, 1132-1137.	0.4	162
50	Rapid Diagnosis of Infection in the Critically Ill, a Multicenter Study of Molecular Detection in Bloodstream Infections, Pneumonia, and Sterile Site Infections*. Critical Care Medicine, 2015, 43, 2283-2291.	0.4	159
51	Oxygen consumption of human peripheral blood mononuclear cells in severe human sepsis *. Critical Care Medicine, 2007, 35, 2702-2708.	0.4	154
52	Liver Dysfunction and Phosphatidylinositol-3-Kinase Signalling in Early Sepsis: Experimental Studies in Rodent Models of Peritonitis. PLoS Medicine, 2012, 9, e1001338.	3.9	152
53	Sepsis: frontiers in diagnosis, resuscitation and antibiotic therapy. Intensive Care Medicine, 2016, 42, 1958-1969.	3.9	151
54	Minimum Quality Threshold in Pre-Clinical Sepsis Studies (MQTiPSS): An International Expert Consensus Initiative for Improvement of Animal Modeling in Sepsis. Shock, 2018, 50, 377-380.	1.0	141

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55	Mitochondrial dysfunction in sepsis. <i>Current Infectious Disease Reports</i> , 2003, 5, 365-371.	1.3	137
56	Hyperpyrexia and rhabdomyolysis after MDMA ("ecstasy") abuse. <i>Lancet</i> , The, 1992, 339, 677-678.	6.3	136
57	Antibiotics for Sepsis—Finding the Equilibrium. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 1433.	3.8	136
58	Redefining critical illness. <i>Nature Medicine</i> , 2022, 28, 1141-1148.	15.2	136
59	Mitochondrial dysfunction in sepsis. <i>Biochemical Society Symposia</i> , 1999, 66, 149-166.	2.7	135
60	Catecholamines for inflammatory shock: a Jekyll-and-Hyde conundrum. <i>Intensive Care Medicine</i> , 2016, 42, 1387-1397.	3.9	135
61	Metabolic phenotype of skeletal muscle in early critical illness. <i>Thorax</i> , 2018, 73, 926-935.	2.7	135
62	Design, Characterization, and First-In-Human Study of the Vascular Actions of a Novel Biased Apelin Receptor Agonist. <i>Hypertension</i> , 2015, 65, 834-840.	1.3	131
63	Biomarkers for sepsis: more than just fever and leukocytosis—a narrative review. <i>Critical Care</i> , 2022, 26, 14.	2.5	126
64	Effects of alterations in left ventricular filling, contractility, and systemic vascular resistance on the ascending aortic blood velocity waveform of normal subjects. <i>Critical Care Medicine</i> , 1991, 19, 1138-1145.	0.4	125
65	Determinants of long-term outcome in ICU survivors: results from the FROG-ICU study. <i>Critical Care</i> , 2018, 22, 8.	2.5	123
66	Cellular energetic metabolism in sepsis: The need for a systems approach. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2008, 1777, 763-771.	0.5	121
67	The Pancreatitis Outcome Prediction (POP) Score: A new prognostic index for patients with severe acute pancreatitis*. <i>Critical Care Medicine</i> , 2007, 35, 1703-1708.	0.4	119
68	Hemodynamic Effects of Manual Hyperinflation in Critically Ill Mechanically Ventilated Patients. <i>Chest</i> , 1994, 106, 1182-1187.	0.4	114
69	Dangers of hyperoxia. <i>Critical Care</i> , 2021, 25, 440.	2.5	110
70	Current use of vasopressors in septic shock. <i>Annals of Intensive Care</i> , 2019, 9, 20.	2.2	109
71	The Effect of Sepsis on the Erythrocyte. <i>International Journal of Molecular Sciences</i> , 2017, 18, 1932.	1.8	108
72	The role of mitochondria in sepsis-induced cardiomyopathy. <i>Biochimica Et Biophysica Acta - Molecular Basis of Disease</i> , 2019, 1865, 759-773.	1.8	108

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73	Tracking changes in cardiac output: methodological considerations for the validation of monitoring devices. <i>Intensive Care Medicine</i> , 2009, 35, 1801-1808.	3.9	107
74	Individualised oxygen delivery targeted haemodynamic therapy in high-risk surgical patients: a multicentre, randomised, double-blind, controlled, mechanistic trial. <i>Lancet Respiratory Medicine</i> , 2015, 3, 33-41.	5.2	105
75	Bench-to-bedside review: potential strategies to protect or reverse mitochondrial dysfunction in sepsis-induced organ failure. <i>Critical Care</i> , 2006, 10, 228.	2.5	104
76	Catecholamine treatment for shock – equally good or bad?. <i>Lancet, The</i> , 2007, 370, 636-637.	6.3	104
77	British HIV Association and British Infection Association guidelines for the treatment of opportunistic infection in HIV-seropositive individuals 2011. <i>HIV Medicine</i> , 2011, 12, 1-5.	1.0	99
78	Microvascular Effects of Heart Rate Control With Esmolol in Patients With Septic Shock. <i>Critical Care Medicine</i> , 2013, 41, 2162-2168.	0.4	98
79	Oxygen consumption of human peripheral blood mononuclear cells in severe human sepsis*. <i>Critical Care Medicine</i> , 2007, 35, 2702-2708.	0.4	97
80	The Key Role of Nitric Oxide in Hypoxia: Hypoxic Vasodilation and Energy Supply – Demand Matching. <i>Antioxidants and Redox Signaling</i> , 2013, 19, 1690-1710.	2.5	97
81	The impact of enhanced cleaning within the intensive care unit on contamination of the near-patient environment with hospital pathogens: A randomized crossover study in critical care units in two hospitals*. <i>Critical Care Medicine</i> , 2011, 39, 651-658.	0.4	96
82	Efficacy and safety of trimodulin, a novel polyclonal antibody preparation, in patients with severe community-acquired pneumonia: a randomized, placebo-controlled, double-blind, multicenter, phase II trial (CIGMA study). <i>Intensive Care Medicine</i> , 2018, 44, 438-448.	3.9	96
83	Linezolid versus teicoplanin in the treatment of Gram-positive infections in the critically ill: a randomized, double-blind, multicentre study. <i>Journal of Antimicrobial Chemotherapy</i> , 2004, 53, 345-355.	1.3	95
84	Bench-to-bedside review: Immunoglobulin therapy for sepsis - biological plausibility from a critical care perspective. <i>Critical Care</i> , 2011, 16, 206.	2.5	95
85	Hyperglycemia in Critical Illness: A Review. <i>Journal of Diabetes Science and Technology</i> , 2009, 3, 1250-1260.	1.3	92
86	Hypoxia accelerates nitric oxide-dependent inhibition of mitochondrial complex I in activated macrophages. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 288, R394-R400.	0.9	91
87	TREM-1 promotes survival during septic shock in mice. <i>European Journal of Immunology</i> , 2007, 37, 456-466.	1.6	89
88	Antibiotics for Sepsis: Does Each Hour Really Count, or Is It Incestuous Amplification?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 800-802.	2.5	88
89	Antibiotic use and impact on outcome from bacteraemic critical illness: the BActeraemia Study in Intensive Care (BASIC). <i>Journal of Antimicrobial Chemotherapy</i> , 2010, 65, 1276-1285.	1.3	87
90	Prevalence and outcome of cirrhosis patients admitted to UK intensive care: a comparison against dialysis-dependent chronic renal failure patients. <i>Intensive Care Medicine</i> , 2012, 38, 991-1000.	3.9	87

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91	Multicenter comparison of cortisol as measured by different methods in samples of patients with septic shock. <i>Intensive Care Medicine</i> , 2009, 35, 2151-2156.	3.9	85
92	H1N1 pneumonitis treated with intravenous zanamivir. <i>Lancet, The</i> , 2009, 374, 1036.	6.3	85
93	Activation-Associated Accelerated Apoptosis of Memory B Cells in Critically Ill Patients With Sepsis. <i>Critical Care Medicine</i> , 2017, 45, 875-882.	0.4	83
94	Mitochondrial dysfunction in patients with severe sepsis: An EPR interrogation of individual respiratory chain components. <i>Biochimica Et Biophysica Acta - Bioenergetics</i> , 2006, 1757, 262-272.	0.5	82
95	Critical care: advances and future perspectives. <i>Lancet, The</i> , 2010, 376, 1354-1361.	6.3	80
96	Protocolised Management In Sepsis (ProMISe): a multicentre randomised controlled trial of the clinical effectiveness and cost-effectiveness of early, goal-directed, protocolised resuscitation for emerging septic shock. <i>Health Technology Assessment</i> , 2015, 19, 1-150.	1.3	80
97	Inflammation biomarkers and delirium in critically ill patients. <i>Critical Care</i> , 2014, 18, R106.	2.5	79
98	The stress response and critical illness. <i>Critical Care Medicine</i> , 2012, 40, 3283-3289.	0.4	78
99	Role of KATP channels in sepsis. <i>Cardiovascular Research</i> , 2006, 72, 220-230.	1.8	76
100	Pharmacokinetic studies of linezolid and teicoplanin in the critically ill. <i>Journal of Antimicrobial Chemotherapy</i> , 2005, 55, 333-340.	1.3	74
101	The heart in sepsis: from basic mechanisms to clinical management. <i>Current Vascular Pharmacology</i> , 2013, 11, 187-95.	0.8	74
102	Esophageal Doppler: Noninvasive Cardiac Output Monitor. <i>Echocardiography</i> , 2003, 20, 763-769.	0.3	73
103	Differential effects of vasopressin and norepinephrine on vascular reactivity in a long-term rodent model of sepsis*. <i>Critical Care Medicine</i> , 2007, 35, 2337-2343.	0.4	73
104	Oxygen consumption is depressed in patients with lactic acidosis due to biguanide intoxication. <i>Critical Care</i> , 2010, 14, R22.	2.5	73
105	Use of non-invasive ventilation for patients with COVID-19: a cause for concern?. <i>Lancet Respiratory Medicine</i> , 2020, 8, e45.	5.2	73
106	Is the inflammasome a potential therapeutic target in renal disease?. <i>BMC Nephrology</i> , 2014, 15, 21.	0.8	71
107	Optimal intensive care outcome prediction over time using machine learning. <i>PLoS ONE</i> , 2018, 13, e0206862.	1.1	69
108	Succinate recovers mitochondrial oxygen consumption in septic rat skeletal muscle. <i>Critical Care Medicine</i> , 2007, 35, 2150-2155.	0.4	66

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109	Variability in management of early severe sepsis. <i>Emergency Medicine Journal</i> , 2010, 27, 110-115.	0.4	66
110	Oesophageal Doppler. <i>Current Opinion in Critical Care</i> , 2009, 15, 244-248.	1.6	65
111	Renal Effects of Levosimendan: A Consensus Report. <i>Cardiovascular Drugs and Therapy</i> , 2013, 27, 581-590.	1.3	65
112	Prediction of postoperative cardiac surgical morbidity and organ failure within 4 hours of intensive care unit admission using esophageal Doppler ultrasonography. <i>Critical Care Medicine</i> , 1999, 27, 1288-1294.	0.4	65
113	Understanding the benefits and harms of oxygen therapy. <i>Intensive Care Medicine</i> , 2015, 41, 1118-1121.	3.9	64
114	Early functional and transcriptomic changes in the myocardium predict outcome in a long-term rat model of sepsis. <i>Clinical Science</i> , 2013, 124, 391-401.	1.8	62
115	The intensive care medicine research agenda on septic shock. <i>Intensive Care Medicine</i> , 2017, 43, 1294-1305.	3.9	61
116	Minimum quality threshold in pre-clinical sepsis studies (MQTiPSS): an international expert consensus initiative for improvement of animal modeling in sepsis. <i>Intensive Care Medicine Experimental</i> , 2018, 6, 26.	0.9	61
117	The Association between Supraphysiologic Arterial Oxygen Levels and Mortality in Critically Ill Patients. A Multicenter Observational Cohort Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 1373-1380.	2.5	61
118	Sepsis hysteria: excess hype and unrealistic expectations. <i>Lancet</i> , 2019, 394, 1513-1514.	6.3	60
119	Treating Critical Illness: The Importance of First Doing No Harm. <i>PLoS Medicine</i> , 2005, 2, e167.	3.9	59
120	Tissue oxygen and hemodynamics in renal medulla, cortex, and corticomedullary junction during hemorrhage-reperfusion. <i>American Journal of Physiology - Renal Physiology</i> , 2006, 291, F647-F653.	1.3	59
121	Cellular Dysfunction in Sepsis. <i>Clinics in Chest Medicine</i> , 2008, 29, 655-660.	0.8	58
122	Clinical outcomes and risk factors for severe COVID-19 in patients with haematological disorders receiving chemo- or immunotherapy. <i>British Journal of Haematology</i> , 2020, 191, 194-206.	1.2	58
123	Human Septic Myopathy: Induction of Cyclooxygenase, Heme Oxygenase and Activation of the Ubiquitin Proteolytic Pathway. <i>Anesthesiology</i> , 2004, 101, 583-590.	1.3	57
124	Endogenous IgG hypogammaglobulinaemia in critically ill adults with sepsis: systematic review and meta-analysis. <i>Intensive Care Medicine</i> , 2015, 41, 1393-1401.	3.9	57
125	Tocilizumab in COVID-19: a meta-analysis, trial sequential analysis, and meta-regression of randomized-controlled trials. <i>Intensive Care Medicine</i> , 2021, 47, 641-652.	3.9	57
126	Translational evidence for two distinct patterns of neuroaxonal injury in sepsis: a longitudinal, prospective translational study. <i>Critical Care</i> , 2017, 21, 262.	2.5	56

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127	Lymphocyte subset expression and serum concentrations of PD-1/PD-L1 in sepsis - pilot study. <i>Critical Care</i> , 2018, 22, 95.	2.5	56
128	Pathophysiology of sepsis. <i>Current Opinion in Anaesthesiology</i> , 2021, 34, 77-84.	0.9	56
129	Critical illness and flat batteries. <i>Critical Care</i> , 2017, 21, 309.	2.5	55
130	The Heart in Sepsis: From Basic Mechanisms to Clinical Management. <i>Current Vascular Pharmacology</i> , 2013, 11, 187-195.	0.8	55
131	Tissue oxygen monitoring in rodent models of shock. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2007, 293, H526-H533.	1.5	54
132	Improved intensive care unit survival for critically ill allogeneic haematopoietic stem cell transplant recipients following reduced intensity conditioning. <i>British Journal of Haematology</i> , 2013, 161, 578-586.	1.2	54
133	Delay to admission to critical care and mortality among deteriorating ward patients in UK hospitals: a multicentre, prospective, observational cohort study. <i>Lancet, The</i> , 2015, 385, S40.	6.3	54
134	Association of Age With Short-term and Long-term Mortality Among Patients Discharged From Intensive Care Units in France. <i>JAMA Network Open</i> , 2019, 2, e193215.	2.8	54
135	The new sepsis consensus definitions (Sepsis-3): the good, the not-so-bad, and the actually-quite-pretty. <i>Intensive Care Medicine</i> , 2016, 42, 2027-2029.	3.9	50
136	Tissue oxygen tension monitoring of organ perfusion: rationale, methodologies, and literature review. <i>British Journal of Anaesthesia</i> , 2015, 115, 357-365.	1.5	49
137	Potential metabolic consequences of statins in sepsis*. <i>Critical Care Medicine</i> , 2011, 39, 1514-1520.	0.4	48
138	Inhaled nitric oxide minimally improves oxygenation in COVID-19 related acute respiratory distress syndrome. <i>British Journal of Anaesthesia</i> , 2021, 126, e44-e46.	1.5	48
139	Do we need a new definition of sepsis?. <i>Intensive Care Medicine</i> , 2015, 41, 909-911.	3.9	47
140	Multicenter, Randomized, Placebo-Controlled Phase III Study of Pyridoxalated Hemoglobin Polyoxyethylene in Distributive Shock (PHOENIX)*. <i>Critical Care Medicine</i> , 2015, 43, 57-64.	0.4	47
141	Dimethylarginine Dimethylaminohydrolase 2 Regulates Nitric Oxide Synthesis and Hemodynamics and Determines Outcome in Polymicrobial Sepsis. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2015, 35, 1382-1392.	1.1	47
142	Impact on mortality of prompt admission to critical care for deteriorating ward patients: an instrumental variable analysis using critical care bed strain. <i>Intensive Care Medicine</i> , 2018, 44, 606-615.	3.9	47
143	[Pyr1]Apelin-13(1-12) Is a Biologically Active ACE2 Metabolite of the Endogenous Cardiovascular Peptide [Pyr1]Apelin-13. <i>Frontiers in Neuroscience</i> , 2017, 11, 92.	1.4	46
144	Case mix, outcome, and activity for admissions to UK critical care units with severe acute pancreatitis: a secondary analysis of the ICNARC Case Mix Programme Database. <i>Critical Care</i> , 2007, 11, S1.	2.5	45

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145	Microvascular and Interstitial Oxygen Tension in the Renal Cortex and Medulla Studied in A 4-H Rat Model of LPS-Induced Endotoxemia. <i>Shock</i> , 2011, 36, 83-89.	1.0	45
146	The Optimal Time for Measuring the Cardiorespiratory Effects of Positive End-expiratory Pressure. <i>Chest</i> , 1993, 104, 139-142.	0.4	43
147	Ammonium tetrathiomolybdate following ischemia/reperfusion injury: Chemistry, pharmacology, and impact of a new class of sulfide donor in preclinical injury models. <i>PLoS Medicine</i> , 2017, 14, e1002310.	3.9	43
148	Changes in CRH and ACTH Synthesis during Experimental and Human Septic Shock. <i>PLoS ONE</i> , 2011, 6, e25905.	1.1	42
149	Thirty years of critical care medicine. <i>Critical Care</i> , 2010, 14, 311.	2.5	41
150	Temporal changes in tissue cardiorespiratory function during faecal peritonitis. <i>Intensive Care Medicine</i> , 2011, 37, 1192-1200.	3.9	41
151	Talactoferrin in Severe Sepsis. <i>Critical Care Medicine</i> , 2015, 43, 1832-1838.	0.4	41
152	Critical Care Health Informatics Collaborative (CCHIC): Data, tools and methods for reproducible research: A multi-centre UK intensive care database. <i>International Journal of Medical Informatics</i> , 2018, 112, 82-89.	1.6	41
153	Monitoring Tissue Perfusion, Oxygenation, and Metabolism in Critically Ill Patients. <i>Chest</i> , 2013, 143, 1799-1808.	0.4	40
154	Variability of treatment duration for bacteraemia in the critically ill: a multinational survey. <i>Journal of Antimicrobial Chemotherapy</i> , 2003, 52, 849-852.	1.3	39
155	Is MOF an outcome parameter or a transient, adaptive state in critical illness?. <i>Current Opinion in Critical Care</i> , 2009, 15, 431-436.	1.6	39
156	The impact of inspired oxygen concentration on tissue oxygenation during progressive haemorrhage. <i>Intensive Care Medicine</i> , 2009, 35, 1783-1791.	3.9	39
157	The impact of hospitalization on dental plaque accumulation: an observational study. <i>Journal of Clinical Periodontology</i> , 2012, 39, 1011-1016.	2.3	39
158	Stressing the obvious? An allostatic look at critical illness. <i>Critical Care Medicine</i> , 2010, 38, S600-S607.	0.4	38
159	Equilibrating SSC guidelines with individualized care. <i>Critical Care</i> , 2021, 25, 397.	2.5	38
160	The Evolutionary Role of Nutrition and Metabolic Support in Critical Illness. <i>Critical Care Clinics</i> , 2010, 26, 443-450.	1.0	37
161	The metabolic phenotype of rodent sepsis: cause for concern?. <i>Intensive Care Medicine Experimental</i> , 2013, 1, 25.	0.9	36
162	An efficacy and mechanism evaluation study of Levosimendan for the Prevention of Acute oRgan Dysfunction in Sepsis (LeoPARDS): protocol for a randomized controlled trial. <i>Trials</i> , 2014, 15, 199.	0.7	36

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163	Renal Tubular Cell Mitochondrial Dysfunction Occurs Despite Preserved Renal Oxygen Delivery in Experimental Septic Acute Kidney Injury. <i>Critical Care Medicine</i> , 2018, 46, e318-e325.	0.4	36
164	Part III: Minimum Quality Threshold in Preclinical Sepsis Studies (MQTiPSS) for Fluid Resuscitation and Antimicrobial Therapy Endpoints. <i>Shock</i> , 2019, 51, 33-43.	1.0	35
165	Current use of inotropes in circulatory shock. <i>Annals of Intensive Care</i> , 2021, 11, 21.	2.2	35
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