David A Brealey

List of Publications by Year
in descending order

55 papers	4,329 citations	257101 24 h-index	214527 47 g-index
63 all docs	63 docs citations	63 times ranked	5952 citing authors

#	Article	IF	Citations
1	Association between mitochondrial dysfunction and severity and outcome of septic shock. Lancet, The, 2002, 360, 219-223.	6.3	1,360
2	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
3	Levosimendan for the Prevention of Acute Organ Dysfunction in Sepsis. New England Journal of Medicine, 2016, 375, 1638-1648.	13.9	271
4	Preoperative intravenous iron to treat anaemia before major abdominal surgery (PREVENTT): a randomised, double-blind, controlled trial. Lancet, The, 2020, 396, 1353-1361.	6.3	209
5	Prevalence of phenotypes of acute respiratory distress syndrome in critically ill patients with COVID-19: a prospective observational study. Lancet Respiratory Medicine,the, 2020, 8, 1209-1218.	5.2	174
6	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
7	Mitochondrial dysfunction in sepsis. Current Infectious Disease Reports, 2003, 5, 365-371.	1.3	137
8	Mitochondrial dysfunction in sepsis. Biochemical Society Symposia, 1999, 66, 149-166.	2.7	135
9	Effect of Human Recombinant Alkaline Phosphatase on 7-Day Creatinine Clearance in Patients With Sepsis-Associated Acute Kidney Injury. JAMA - Journal of the American Medical Association, 2018, 320, 1998.	3.8	127
10	Effect of Intravenous Interferon Î²-1a on Death and Days Free From Mechanical Ventilation Among Patients With Moderate to Severe Acute Respiratory Distress Syndrome. JAMA - Journal of the American Medical Association, 2020, 323, 725.	3.8	97
11	Hyperglycemia in Critical Illness: A Review. Journal of Diabetes Science and Technology, 2009, 3, 1250-1260.	1.3	92
12	Evidence for chemokine synergy during neutrophil migration in ARDS. Thorax, 2017, 72, 66-73.	2.7	87
13	Effect of Intermittent or Continuous Feed on Muscle Wasting in Critical Illness. Chest, 2020, 158, 183-194.	0.4	84
14	Mitochondrial dysfunction in patients with severe sepsis: An EPR interrogation of individual respiratory chain components. Biochimica Et Biophysica Acta - Bioenergetics, 2006, 1757, 262-272.	0.5	82
15	Use of non-invasive ventilation for patients with COVID-19: a cause for concern?. Lancet Respiratory Medicine,the, 2020, 8, e45.	5.2	73
16	Optimal intensive care outcome prediction over time using machine learning. PLoS ONE, 2018, 13, e0206862.	1.1	69
17	Outcome in Poor Grade Subarachnoid Hemorrhage Patients Treated with Acute Endovascular Coiling of Aneurysms and Aggressive Intensive Care. Neurocritical Care, 2011, 14, 341-347.	1.2	63
18	The Association between Supraphysiologic Arterial Oxygen Levels and Mortality in Critically Ill Patients. A Multicenter Observational Cohort Study. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1373-1380.	2.5	61

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19	Human Septic Myopathy: Induction of Cyclooxygenase, Heme Oxygenase and Activation of the Ubiquitin Proteolytic Pathway. Anesthesiology, 2004, 101, 583-590.	1.3	57
20	Potential metabolic consequences of statins in sepsis*. Critical Care Medicine, 2011, 39, 1514-1520.	0.4	48
21	Critical Care Health Informatics Collaborative (CCHIC): Data, tools and methods for reproducible research: A multi-centre UK intensive care database. International Journal of Medical Informatics, 2018, 112, 82-89.	1.6	41
22	The impact of hospitalization on dental plaque accumulation: an observational study. Journal of Clinical Periodontology, 2012, 39, 1011-1016.	2.3	39
23	Optimising organ perfusion in the high-risk surgical and critical care patient: a narrative review. British Journal of Anaesthesia, 2019, 123, 170-176.	1.5	32
24	Natural Language Processing for Mimicking Clinical Trial Recruitment in Critical Care: AÂSemi-Automated Simulation Based on the LeoPARDS Trial. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 2950-2959.	3.9	28
25	Serial measurement of pancreatic stone protein for the early detection of sepsis in intensive care unit patients: a prospective multicentric study. Critical Care, 2021, 25, 151.	2.5	25
26	Changes in dental plaque following hospitalisation in a critical care unit: an observational study. Critical Care, 2013, 17, R189.	2.5	23
27	Regulation of neutrophilic inflammation in lung injury induced by community-acquired pneumonia. Lancet, The, 2015, 385, S52.	6.3	22
28	Nitrosyl heme production compared in endotoxemic and hemorrhagic shock. Free Radical Biology and Medicine, 2005, 38, 41-49.	1.3	19
29	MicroRNA signatures of perioperative myocardial injury after elective noncardiac surgery: a prospective observational mechanistic cohort study. British Journal of Anaesthesia, 2020, 125, 661-671.	1.5	19
30	Clinical Predictors of Survival and Functional Outcome of Stroke Patients Admitted to Critical Care*. Critical Care Medicine, 2018, 46, 1085-1092.	0.4	16
31	Acquired loss of cardiac vagal activity is associated with myocardial injury in patients undergoing noncardiac surgery: prospective observational mechanistic cohort study. British Journal of Anaesthesia, 2019, 123, 758-767.	1.5	15
32	Lipid metabolic signatures deviate in sepsis survivors compared to non-survivors. Computational and Structural Biotechnology Journal, 2020, 18, 3678-3691.	1.9	15
33	Simvastatin pre-treatment improves survival and mitochondrial function in a 3-day fluid-resuscitated rat model of sepsis. Clinical Science, 2017, 131, 747-758.	1.8	12
34	The UCL Ventura CPAP device for COVID-19. Lancet Respiratory Medicine,the, 2020, 8, 1076-1078.	5.2	12
35	Descriptors of Sepsis Using the Sepsis-3 Criteria: A Cohort Study in Critical Care Units Within the U.K. National Institute for Health Research Critical Care Health Informatics Collaborative*. Critical Care Medicine, 2021, 49, 1883-1894.	0.4	11
36	Performance of PCR/Electrospray Ionization-Mass Spectrometry on Whole Blood for Detection of Bloodstream Microorganisms in Patients with Suspected Sepsis. Journal of Clinical Microbiology, 2020, 58, .	1.8	9

#	Article	IF	Citations
37	Sepsis â€“ the broken code how accurately is sepsis being diagnosed?. Journal of Infection, 2020, 81, e31-e32.	1.7	8
38	Steroids in ARDS: more light is being shed. Intensive Care Medicine, 2020, 46, 2108-2110.	3.9	8
39	Comparison of stroke volume measurement between non-invasive bioreactance and esophageal Doppler in patients undergoing major abdominalâ€“pelvic surgery. Journal of Anesthesia, 2017, 31, 545-551.	0.7	7
40	Influence of IL-6 levels on patient survival in COVID-19. Journal of Critical Care, 2021, 66, 123-125.	1.0	7
41	Rapid Phospholipid Turnover after Surfactant Nebulization in Severe COVID-19 Infection: A Randomized Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 471-473.	2.5	6
42	Tissue Oxygenation in Sepsis. Sepsis, 1999, 2, 291-302.	0.5	5
43	Sex differences in immunological responses to COVID-19: a cross-sectional analysis of a single-centre cohort. British Journal of Anaesthesia, 2021, 127, e75-e78.	1.5	4
44	Managing severe peripartum hyponatraemia: A case report. Obstetric Medicine, 2014, 7, 171-173.	0.5	3
45	Lessons and risks of medical device deployment in a global pandemic. The Lancet Global Health, 2021, 9, e395-e396.	2.9	3
46	Novel diagnostics of respiratory infection in the intensive care unit. Annals of Research Hospitals, 0, 2, 9-9.	0.0	2
47	Development of a tool to assess oral health-related quality of life in patients hospitalised in critical care. Quality of Life Research, 2020, 29, 559-568.	1.5	2
48	High oxygen flow rates with the UCL Ventura CPAP device â€“ Authors' reply. Lancet Respiratory Medicine,the, 2021, 9, e36.	5.2	2
49	Defining Potential Therapeutic Targets in Coronavirus Disease 2019: A Cross-Sectional Analysis of a Single-Center Cohort. , 2021, 3, e0488.		2
50	Critical care data processing tools. Journal of Open Source Software, 2017, 2, 513.	2.0	2
51	So you want to be â€¦ a critical care physician. British Journal of Hospital Medicine (London, England:) Tj ETQq1 1 0.784314 rgBT /Ov	0.2	0
52	Authorsâ€™ response to letter by Adam Morton regarding: â€œManaging severe peripartum hyponatraemia: A case reportâ€• Obstetric Medicine, 2015, 8, 27-27.	0.5	0
53	Response. Chest, 2020, 158, 2708-2711.	0.4	0
54	Defining Potential Therapeutic Targets in COVID-19: A Cross-Sectional Analysis of a Single Centre Cohort. SSRN Electronic Journal, 0, , .	0.4	0

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55	Beneficial ex vivo immunomodulatory and clinical effects of clarithromycin in COVID-19. Journal of Infection and Chemotherapy, 2022, , .	0.8	0