

Daniel F Mcauley

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

224
papers

20,243
citations

50
h-index

141
g-index

254
ext. papers

27,994
ext. citations

12.1
avg, IF

7.44
L-index

#	Paper	IF	Citations
224	Validation and utility of ARDS subphenotypes identified by machine-learning models using clinical data: an observational, multicohort, retrospective analysis.. <i>Lancet Respiratory Medicine</i> , 2022 ,	35.1	5
223	Decision support system to evaluate ventilation in the acute respiratory distress syndrome (DeVENT study)-trial protocol.. <i>Trials</i> , 2022 , 23, 47	2.8	0
222	Extracorporeal Carbon Dioxide Removal vs Standard Care Ventilation Effect on 90-Day Mortality in Patients With Acute Hypoxemic Respiratory Failure-Reply.. <i>JAMA - Journal of the American Medical Association</i> , 2022 , 327, 84-85	27.4	1
221	Effect of Noninvasive Respiratory Strategies on Intubation or Mortality Among Patients With Acute Hypoxemic Respiratory Failure and COVID-19: The RECOVERY-RS Randomized Clinical Trial.. <i>JAMA - Journal of the American Medical Association</i> , 2022 ,	27.4	30
220	Update on the Features and Measurements of Experimental Acute Lung Injury in Animals: An Official American Thoracic Society Workshop Report.. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022 , 66, e1-e14	5.7	5
219	Towards a biological definition of ARDS: are treatable traits the solution?. <i>Intensive Care Medicine Experimental</i> , 2022 , 10, 8	3.7	2
218	Whole genome sequencing reveals host factors underlying critical Covid-19.. <i>Nature</i> , 2022 ,	50.4	8
217	Co-ordinated multidisciplinary intervention to reduce time to successful extubation for children on mechanical ventilation: the SANDWICH cluster stepped-wedge RCT.. <i>Health Technology Assessment</i> , 2022 , 26, 1-114	4.4	
216	Plasma neurofilament light chain protein as a predictor of days in delirium and deep sedation, mortality and length of stay in critically ill patients.. <i>EBioMedicine</i> , 2022 , 80, 104043	8.8	0
215	Repair of acute respiratory distress syndrome by stromal cell administration (REALIST): a structured study protocol for an open-label dose-escalation phase 1 trial followed by a randomised, triple-blind, allocation concealed, placebo-controlled phase 2 trial.. <i>Trials</i> , 2022 , 23, 401	2.8	1
214	Noninvasive Respiratory Strategies and Intubation or Mortality Among Patients With Acute Hypoxemic Respiratory Failure Due to COVID-19Reply. <i>JAMA - Journal of the American Medical Association</i> , 2022 , 327, 2023	27.4	0
213	Geoeconomic variations in epidemiology, ventilation management, and outcomes in invasively ventilated intensive care unit patients without acute respiratory distress syndrome: a pooled analysis of four observational studies.. <i>The Lancet Global Health</i> , 2021 ,	13.6	2
212	Common, low-frequency, rare, and ultra-rare coding variants contribute to COVID-19 severity. <i>Human Genetics</i> , 2021 , 141, 147	6.3	3
211	Namilumab or infliximab compared with standard of care in hospitalised patients with COVID-19 (CATALYST): a randomised, multicentre, multi-arm, multistage, open-label, adaptive, phase 2, proof-of-concept trial.. <i>Lancet Respiratory Medicine</i> , 2021 ,	35.1	6
210	Mesenchymal stromal cell extracellular vesicles rescue mitochondrial dysfunction and improve barrier integrity in clinically relevant models of ARDS. <i>European Respiratory Journal</i> , 2021 , 58,	13.6	17
209	Outcome of acute hypoxaemic respiratory failure: insights from the LUNG SAFE Study. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	11
208	Promises and challenges of personalized medicine to guide ARDS therapy. <i>Critical Care</i> , 2021 , 25, 404	10.8	6

207	Comparison of machine learning clustering algorithms for detecting heterogeneity of treatment effect in acute respiratory distress syndrome: A secondary analysis of three randomised controlled trials. <i>EBioMedicine</i> , 2021 , 74, 103697	8.8	4
206	Effect of Convalescent Plasma on Organ Support-Free Days in Critically Ill Patients With COVID-19: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 326, 1690-1702	27.4	37
205	Characterizing preclinical sub-phenotypic models of acute respiratory distress syndrome: An experimental ovine study. <i>Physiological Reports</i> , 2021 , 9, e15048	2.6	2
204	Repair of acute respiratory distress syndrome by stromal cell administration (REALIST) trial: A phase 1 trial. <i>EClinicalMedicine</i> , 2021 , 41, 101167	11.3	5
203	Genetic mechanisms of critical illness in COVID-19. <i>Nature</i> , 2021 , 591, 92-98	50.4	451
202	Swallowing therapy compared to standard care may not have had a beneficial effect on the incidence of pneumonia for patients in acute care. Author's reply. <i>Intensive Care Medicine</i> , 2021 , 47, 718-719	14.5	1
201	Interleukin-6 Receptor Antagonists in Critically Ill Patients with Covid-19. <i>New England Journal of Medicine</i> , 2021 , 384, 1491-1502	59.2	639
200	Transepithelial nasal potential difference in patients with, and at risk of acute respiratory distress syndrome. <i>Thorax</i> , 2021 , 76, 1099-1107	7.3	0
199	Death in hospital following ICU discharge: insights from the LUNG SAFE study. <i>Critical Care</i> , 2021 , 25, 144	10.8	2
198	Moral distress in end-of-life decisions: A qualitative study of intensive care physicians. <i>Journal of Critical Care</i> , 2021 , 62, 185-189	4	7
197	Targeting <i>Candida albicans</i> in dual-species biofilms with antifungal treatment reduces <i>Staphylococcus aureus</i> and MRSA in vitro. <i>PLoS ONE</i> , 2021 , 16, e0249547	3.7	9
196	Major differences in ICU admissions during the first and second COVID-19 wave in Germany. <i>Lancet Respiratory Medicine</i> , 2021 , 9, e47-e48	35.1	47
195	Multimodal imaging interpreted by graders to detect re-activation of diabetic eye disease in previously treated patients: the EMERALD diagnostic accuracy study. <i>Health Technology Assessment</i> , 2021 , 25, 1-104	4.4	1
194	Delirium in COVID-19: can we make the unknowns known?. <i>Intensive Care Medicine</i> , 2021 , 47, 1144-1147	14.5	0
193	Non-invasive respiratory support strategies in COVID-19. <i>Lancet Respiratory Medicine</i> , 2021 , 9, 553-556	56.1	23
192	Advancing precision medicine for acute respiratory distress syndrome. <i>Lancet Respiratory Medicine</i> , 2021 ,	35.1	10
191	Cytokine adsorption during ECMO for COVID-19-related ARDS. <i>Lancet Respiratory Medicine</i> , 2021 , 9, 680-682	35.1	1
190	Mesenchymal stromal cells for acute respiratory distress syndrome (ARDS), sepsis, and COVID-19 infection: optimizing the therapeutic potential. <i>Expert Review of Respiratory Medicine</i> , 2021 , 15, 301-324	3.8	12

189	Evaluation of a New Model of Care for People with Complications of Diabetic Retinopathy: The EMERALD Study. <i>Ophthalmology</i> , 2021 , 128, 561-573	7.3	5
188	Study into the reversal of septic shock with landiolol (beta blockade): STRESS-L Study protocol for a randomised trial. <i>BMJ Open</i> , 2021 , 11, e043194	3	1
187	Defining phenotypes and treatment effect heterogeneity to inform acute respiratory distress syndrome and sepsis trials: secondary analyses of three RCTs. <i>Efficacy and Mechanism Evaluation</i> , 2021 , 8, 1-104	1.7	0
186	Therapeutic Anticoagulation with Heparin in Noncritically Ill Patients with Covid-19. <i>New England Journal of Medicine</i> , 2021 , 385, 790-802	59.2	203
185	Effect of a Sedation and Ventilator Liberation Protocol vs Usual Care on Duration of Invasive Mechanical Ventilation in Pediatric Intensive Care Units: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 326, 401-410	27.4	9
184	Secreted Extracellular Cyclophilin A Is a Novel Mediator of Ventilator-induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 204, 421-430	10.2	3
183	Therapeutic Anticoagulation with Heparin in Critically Ill Patients with Covid-19. <i>New England Journal of Medicine</i> , 2021 , 385, 777-789	59.2	227
182	Effect of Lower Tidal Volume Ventilation Facilitated by Extracorporeal Carbon Dioxide Removal vs Standard Care Ventilation on 90-Day Mortality in Patients With Acute Hypoxemic Respiratory Failure: The REST Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 326, 1013-1023	27.4	30
181	Hyperoxaemia and hypoxaemia are associated with harm in patients with ARDS. <i>BMC Pulmonary Medicine</i> , 2021 , 21, 285	3.5	3
180	Safety and Efficacy of NVX-CoV2373 Covid-19 Vaccine. <i>New England Journal of Medicine</i> , 2021 , 385, 1172-1183	59.2	250
179	Reply. <i>Ophthalmology</i> , 2021 , 128, e46-e47	7.3	
178	Phenotypes and subphenotypes of delirium: a review of current categorisations and suggestions for progression. <i>Critical Care</i> , 2021 , 25, 334	10.8	2
177	Oral health care for the critically ill: a narrative review. <i>Critical Care</i> , 2021 , 25, 353	10.8	2
176	Sedation and Ventilator Liberation Protocol vs Usual Care and Duration of Invasive Ventilation in Pediatric Intensive Care Units-Reply.. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 326, 2329-2331	27.4	1
175	Feasibility of conservative fluid administration and deresuscitation compared with usual care in critical illness: the Role of Active Deresuscitation After Resuscitation-2 (RADAR-2) randomised clinical trial.. <i>Intensive Care Medicine</i> , 2021 , 48, 190	14.5	1
174	Interventions for oropharyngeal dysphagia in acute and critical care: a systematic review and meta-analysis. <i>Intensive Care Medicine</i> , 2020 , 46, 1326-1338	14.5	19
173	Repair of Acute Respiratory Distress Syndrome by Stromal Cell Administration in COVID-19 (REALIST-COVID-19): A structured summary of a study protocol for a randomised, controlled trial. <i>Trials</i> , 2020 , 21, 462	2.8	19
172	Parenteral thiamine for prevention and treatment of delirium in critically ill adults: a systematic review protocol. <i>Systematic Reviews</i> , 2020 , 9, 131	3	4

171	Mucoactive agents for acute respiratory failure in the critically ill: a systematic review and meta-analysis. <i>Thorax</i> , 2020 , 75, 623-631	7.3	4
170	Essential care of critical illness must not be forgotten in the COVID-19 pandemic. <i>Lancet, The</i> , 2020 , 395, 1253-1254	4.0	50
169	COVID-19: consider cytokine storm syndromes and immunosuppression. <i>Lancet, The</i> , 2020 , 395, 1033-1034	14	5500
168	Relationship between norepinephrine dose, tachycardia and outcome in septic shock: A multicentre evaluation. <i>Journal of Critical Care</i> , 2020 , 57, 185-190	4	13
167	Airway clearance techniques and use of mucoactive agents for adult critically ill patients with acute respiratory failure: a qualitative study exploring UK physiotherapy practice. <i>Physiotherapy</i> , 2020 , 108, 78-87	3	1
166	Corticosteroids in acute respiratory distress syndrome: a step forward, but more evidence is needed. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 220-222	35.1	6
165	Development and validation of parsimonious algorithms to classify acute respiratory distress syndrome phenotypes: a secondary analysis of randomised controlled trials. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 247-257	35.1	80
164	Mucoactive agent use in adult UK Critical Care Units: a survey of health care professionals' perception, pharmacists' description of practice, and point prevalence of mucoactive use in invasively mechanically ventilated patients. <i>PeerJ</i> , 2020 , 8, e8828	3.1	2
163	Biomarker-guided antibiotic stewardship in suspected ventilator-associated pneumonia (VAPrapid2): a randomised controlled trial and process evaluation. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 182-191	35.1	32
162	The National Institute for Health Research Critical Care Research Priority Setting Survey 2018. <i>Journal of the Intensive Care Society</i> , 2020 , 21, 198-201	1.6	0
161	A nebulised antitumour necrosis factor receptor-1 domain antibody in patients at risk of postoperative lung injury: A randomised, placebo-controlled pilot study. <i>European Journal of Anaesthesiology</i> , 2020 , 37, 1014-1024	2.3	2
160	Emerging pharmacological therapies for ARDS: COVID-19 and beyond. <i>Intensive Care Medicine</i> , 2020 , 46, 2265-2283	14.5	27
159	The Impact of Aging in Acute Respiratory Distress Syndrome: A Clinical and Mechanistic Overview. <i>Frontiers in Medicine</i> , 2020 , 7, 589553	4.9	5
158	A minimal common outcome measure set for COVID-19 clinical research. <i>Lancet Infectious Diseases</i> , 2020 , 20, e192-e197	25.5	497
157	RECOVERY- Respiratory Support: Respiratory Strategies for patients with suspected or proven COVID-19 respiratory failure; Continuous Positive Airway Pressure, High-flow Nasal Oxygen, and standard care: A structured summary of a study protocol for a randomised controlled trial. <i>Trials</i> , 2020 , 21, 687	2.8	17
156	Subphenotypes in critical care: translation into clinical practice. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 631-643	35.1	40
155	More research is required to understand factors influencing antibiotic prescribing in complex conditions like suspected ventilator-associated pneumonia. <i>Annals of Translational Medicine</i> , 2020 , 8, 840	3.2	0
154	Comparing regression and neural network techniques for personalized predictive analytics to promote lung protective ventilation in Intensive Care Units. <i>Computers in Biology and Medicine</i> , 2020 , 126, 104030	7	4

153	Effect of Hydrocortisone on Mortality and Organ Support in Patients With Severe COVID-19: The REMAP-CAP COVID-19 Corticosteroid Domain Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 324, 1317-1329	27.4	386
152	Prevalence of phenotypes of acute respiratory distress syndrome in critically ill patients with COVID-19: a prospective observational study. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 1209-1218	35.1	98
151	Airway Inflammation and Host Responses in the Era of CFTR Modulators. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	12
150	Delving beneath the surface of hyperinflammation in COVID-19. <i>Lancet Rheumatology</i> , 2020 , 2, e578-e579	4.2	96
149	Apples and oranges: international comparisons of COVID-19 observational studies in ICUs. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 952-953	35.1	9
148	Targeting Proteases in Cystic Fibrosis Lung Disease. Paradigms, Progress, and Potential. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 141-147	10.2	24
147	Fluid management and dereuscitation practices: A survey of critical care physicians. <i>Journal of the Intensive Care Society</i> , 2020 , 21, 111-118	1.6	11
146	Combined Mesenchymal Stromal Cell Therapy and Extracorporeal Membrane Oxygenation in Acute Respiratory Distress Syndrome. A Randomized Controlled Trial in Sheep. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 383-392	10.2	17
145	Human lipopolysaccharide models provide mechanistic and therapeutic insights into systemic and pulmonary inflammation. <i>European Respiratory Journal</i> , 2020 , 56,	13.6	17
144	Acute respiratory distress syndrome subphenotypes and therapy responsive traits among preclinical models: protocol for a systematic review and meta-analysis. <i>Respiratory Research</i> , 2020 , 21, 81	7.3	8
143	Extracorporeal membrane oxygenation (ECMO) and the acute respiratory distress syndrome (ARDS): a systematic review of pre-clinical models. <i>Intensive Care Medicine Experimental</i> , 2019 , 7, 18	3.7	12
142	Heterogeneity of treatment effect by baseline risk of mortality in critically ill patients: re-analysis of three recent sepsis and ARDS randomised controlled trials. <i>Critical Care</i> , 2019 , 23, 156	10.8	14
141	Emerging drugs for treating the acute respiratory distress syndrome. <i>Expert Opinion on Emerging Drugs</i> , 2019 , 24, 29-41	3.7	23
140	IL4R β Signaling Abrogates Hypoxic Neutrophil Survival and Limits Acute Lung Injury Responses. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 200, 235-246	10.2	22
139	Cerebrospinal Fluid Spermidine, Glutamine and Putrescine Predict Postoperative Delirium Following Elective Orthopaedic Surgery. <i>Scientific Reports</i> , 2019 , 9, 4191	4.9	7
138	Diabetic macular oedema and diode subthreshold micropulse laser (DIAMONDS): study protocol for a randomised controlled trial. <i>Trials</i> , 2019 , 20, 122	2.8	9
137	Spontaneous Breathing in Early Acute Respiratory Distress Syndrome: Insights From the Large Observational Study to UNderstand the Global Impact of Severe Acute Respiratory Failure Study. <i>Critical Care Medicine</i> , 2019 , 47, 229-238	1.4	38
136	Levosimendan in septic shock in patients with biochemical evidence of cardiac dysfunction: a subgroup analysis of the LeoPARDS randomised trial. <i>Intensive Care Medicine</i> , 2019 , 45, 1392-1400	14.5	16

135	Effectiveness of Multimodal imaging for the Evaluation of Retinal oedema And new vessels in Diabetic retinopathy (EMERALD). <i>BMJ Open</i> , 2019 , 9, e027795	3	5
134	Protocolised non-invasive compared with invasive weaning from mechanical ventilation for adults in intensive care: the Breathe RCT. <i>Health Technology Assessment</i> , 2019 , 23, 1-114	4.4	2
133	Sedation AND Weaning In Children (SANDWICH): protocol for a cluster randomised stepped wedge trial. <i>BMJ Open</i> , 2019 , 9, e031630	3	8
132	Interventions for oropharyngeal dysphagia in acute and critical care: a protocol for a systematic review and meta-analysis. <i>Systematic Reviews</i> , 2019 , 8, 283	3	6
131	A Core Outcome Set for Critical Care Ventilation Trials. <i>Critical Care Medicine</i> , 2019 , 47, 1324-1331	1.4	26
130	Hypercapnic acidosis induces mitochondrial dysfunction and impairs the ability of mesenchymal stem cells to promote distal lung epithelial repair. <i>FASEB Journal</i> , 2019 , 33, 5585-5598	0.9	25
129	The effectiveness of non-pharmacological interventions in reducing the incidence and duration of delirium in critically ill patients: a systematic review and meta-analysis. <i>Intensive Care Medicine</i> , 2019 , 45, 1-12	14.5	41
128	Patients' Perceptions of an Exercise Program Delivered Following Discharge From Hospital After Critical Illness (the Revive Trial). <i>Journal of Intensive Care Medicine</i> , 2019 , 34, 978-984	3.3	6
127	CSF Beta-amyloid 1-42 Concentration Predicts Delirium Following Elective Arthroplasty Surgery in an Observational Cohort Study. <i>Annals of Surgery</i> , 2019 , 269, 1200-1205	7.8	24
126	Designing a nurse-delivered delirium bundle: What intensive care unit staff, survivors, and their families think?. <i>Australian Critical Care</i> , 2018 , 31, 174-179	2.9	9
125	Acute respiratory distress syndrome subphenotypes and differential response to simvastatin: secondary analysis of a randomised controlled trial. <i>Lancet Respiratory Medicine</i> , 2018 , 6, 691-698	35.1	256
124	Randomised controlled trial of GM-CSF in critically ill patients with impaired neutrophil phagocytosis. <i>Thorax</i> , 2018 , 73, 918-925	7.3	26
123	Simvastatin to reduce pulmonary dysfunction in patients with acute respiratory distress syndrome: the HARP-2 RCT. <i>Efficacy and Mechanism Evaluation</i> , 2018 , 5, 1-80	1.7	4
122	Levosimendan to prevent acute organ dysfunction in sepsis: the LeoPARDS RCT. <i>Efficacy and Mechanism Evaluation</i> , 2018 , 5, 1-94	1.7	2
121	Prevention of post-operative complications by using a HMG-CoA reductase inhibitor in patients undergoing one-lung ventilation for non-cardiac surgery: study protocol for a randomised controlled trial. <i>Trials</i> , 2018 , 19, 690	2.8	2
120	Latent class analysis of ARDS subphenotypes: a secondary analysis of the statins for acutely injured lungs from sepsis (SAILS) study. <i>Intensive Care Medicine</i> , 2018 , 44, 1859-1869	14.5	123
119	Deresuscitation of Patients With Iatrogenic Fluid Overload Is Associated With Reduced Mortality in Critical Illness. <i>Critical Care Medicine</i> , 2018 , 46, 1600-1607	1.4	76
118	Extracorporeal carbon dioxide removal for lowering the risk of mechanical ventilation: research questions and clinical potential for the future. <i>Lancet Respiratory Medicine</i> , 2018 , 6, 874-884	35.1	41

117	Identifying associations between diabetes and acute respiratory distress syndrome in patients with acute hypoxemic respiratory failure: an analysis of the LUNG SAFE database. <i>Critical Care</i> , 2018 , 22, 268	10.8	14
116	Effect of Protocolized Weaning With Early Extubation to Noninvasive Ventilation vs Invasive Weaning on Time to Liberation From Mechanical Ventilation Among Patients With Respiratory Failure: The Breathe Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2018 , 320, 1881-1888	27.4	30
115	A United Kingdom Register study of in-hospital outcomes of patients receiving extracorporeal carbon dioxide removal. <i>Journal of the Intensive Care Society</i> , 2018 , 19, 114-121	1.6	4
114	Simvastatin pre-treatment improves survival and mitochondrial function in a 3-day fluid-resuscitated rat model of sepsis. <i>Clinical Science</i> , 2017 , 131, 747-758	6.5	7
113	Effectiveness of an exercise programme on physical function in patients discharged from hospital following critical illness: a randomised controlled trial (the REVIVE trial). <i>Thorax</i> , 2017 , 72, 594-595	7.3	25
112	Prolonged glucocorticoid treatment in acute respiratory distress syndrome - Authors' reply. <i>Lancet, The</i> , 2017 , 389, 1516-1517	4.0	5
111	An Official American Thoracic Society/European Society of Intensive Care Medicine/Society of Critical Care Medicine Clinical Practice Guideline: Mechanical Ventilation in Adult Patients with Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 1253-1263	10.2	674
110	Geo-economic variations in epidemiology, patterns of care, and outcomes in patients with acute respiratory distress syndrome: insights from the LUNG SAFE prospective cohort study. <i>Lancet Respiratory Medicine, the</i> , 2017 , 5, 627-638	35.1	63
109	Keratinocyte growth factor for the treatment of the acute respiratory distress syndrome (KARE): a randomised, double-blind, placebo-controlled phase 2 trial. <i>Lancet Respiratory Medicine, the</i> , 2017 , 5, 484-491	35.1	50
108	Mesenchymal Stromal Cells Modulate Macrophages in Clinically Relevant Lung Injury Models by Extracellular Vesicle Mitochondrial Transfer. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 1275-1286	10.2	322
107	Clinical trials in acute respiratory distress syndrome: challenges and opportunities. <i>Lancet Respiratory Medicine, the</i> , 2017 , 5, 524-534	35.1	140
106	Observational cohort study examining apolipoprotein E status and preoperative neuropsychological performance as predictors of post-operative delirium in an older elective arthroplasty population. <i>Age and Ageing</i> , 2017 , 46, 779-786	3	12
105	Statin therapy for acute respiratory distress syndrome: an individual patient data meta-analysis of randomised clinical trials. <i>Intensive Care Medicine</i> , 2017 , 43, 663-671	14.5	23
104	Mechanical Ventilation in Adults with Acute Respiratory Distress Syndrome. Summary of the Experimental Evidence for the Clinical Practice Guideline. <i>Annals of the American Thoracic Society</i> , 2017 , 14, S261-S270	4.7	27
103	Current practice in the management of new-onset atrial fibrillation in critically ill patients: a UK-wide survey. <i>PeerJ</i> , 2017 , 5, e3716	3.1	17
102	Evaluation of early administration of simvastatin in the prevention and treatment of delirium in critically ill patients undergoing mechanical ventilation (MoDUS): a randomised, double-blind, placebo-controlled trial. <i>Lancet Respiratory Medicine, the</i> , 2017 , 5, 727-737	35.1	43
101	Characterisation of eppin function: expression and activity in the lung. <i>European Respiratory Journal</i> , 2017 , 50,	13.6	3
100	Quantifying the Effects of Prior Acetyl-Salicylic Acid on Sepsis-Related Deaths: An Individual Patient Data Meta-Analysis Using Propensity Matching. <i>Critical Care Medicine</i> , 2017 , 45, 1871-1879	1.4	22

99	Conservative fluid management or deresuscitation for patients with sepsis or acute respiratory distress syndrome following the resuscitation phase of critical illness: a systematic review and meta-analysis. <i>Intensive Care Medicine</i> , 2017 , 43, 155-170	14.5	171
98	Noninvasive Ventilation of Patients with Acute Respiratory Distress Syndrome. Insights from the LUNG SAFE Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 67-77	10.2	269
97	Acute Respiratory Distress Syndrome Phenotypes and Identifying Treatable Traits. The Dawn of Personalized Medicine for ARDS. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 280-281	10.2	13
96	Late mortality after acute hypoxic respiratory failure. <i>Thorax</i> , 2017 ,	7.3	17
95	Gastrointestinal complications in the intensive care unit 2016 , 276-281		
94	Potentially modifiable factors contributing to outcome from acute respiratory distress syndrome: the LUNG SAFE study. <i>Intensive Care Medicine</i> , 2016 , 42, 1865-1876	14.5	149
93	Epidemiology, Patterns of Care, and Mortality for Patients With Acute Respiratory Distress Syndrome in Intensive Care Units in 50 Countries. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 315, 788-800	27.4	2131
92	Exchange protein directly activated by cyclic AMP (EPAC) activation reverses neutrophil dysfunction induced by β -agonists, corticosteroids, and critical illness. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 535-44	11.5	23
91	Innate Lymphoid Cells Are the Predominant Source of IL-17A during the Early Pathogenesis of Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 193, 407-16	10.2	63
90	Effectiveness of biomarker-based exclusion of ventilator-acquired pneumonia to reduce antibiotic use (VAPrapid-2): study protocol for a randomised controlled trial. <i>Trials</i> , 2016 , 17, 318	2.8	11
89	The inflammatory response to extracorporeal membrane oxygenation (ECMO): a review of the pathophysiology. <i>Critical Care</i> , 2016 , 20, 387	10.8	275
88	Cigarette smokers have exaggerated alveolar barrier disruption in response to lipopolysaccharide inhalation. <i>Thorax</i> , 2016 , 71, 1130-1136	7.3	36
87	Acute respiratory distress syndrome. <i>Lancet, The</i> , 2016 , 388, 2416-2430	40	209
86	Levosimendan for the Prevention of Acute Organ Dysfunction in Sepsis. <i>New England Journal of Medicine</i> , 2016 , 375, 1638-1648	59.2	185
85	Mitochondrial Transfer via Tunneling Nanotubes is an Important Mechanism by Which Mesenchymal Stem Cells Enhance Macrophage Phagocytosis in the In Vitro and In Vivo Models of ARDS. <i>Stem Cells</i> , 2016 , 34, 2210-23	5.8	266
84	Automated versus non-automated weaning for reducing the duration of mechanical ventilation for critically ill adults and children: a cochrane systematic review and meta-analysis. <i>Critical Care</i> , 2015 , 19, 48	10.8	37
83	Aspirin therapy in patients with acute respiratory distress syndrome (ARDS) is associated with reduced intensive care unit mortality: a prospective analysis. <i>Critical Care</i> , 2015 , 19, 109	10.8	59
82	Sedation/drugs used in intensive care sedation. <i>Current Opinion in Anaesthesiology</i> , 2015 , 28, 139-44	2.9	9

81	Targeting Siglecs with a sialic acid-decorated nanoparticle abrogates inflammation. <i>Science Translational Medicine</i> , 2015 , 7, 303ra140	17.5	112
80	Accuracy of LightCycler(®) SeptiFast for the detection and identification of pathogens in the blood of patients with suspected sepsis: a systematic review and meta-analysis. <i>Intensive Care Medicine</i> , 2015 , 41, 21-33	14.5	78
79	Diagnostic accuracy of pulmonary host inflammatory mediators in the exclusion of ventilator-acquired pneumonia. <i>Thorax</i> , 2015 , 70, 41-7	7.3	43
78	Evaluating early administration of the hydroxymethylglutaryl-CoA reductase inhibitor simvastatin in the prevention and treatment of delirium in critically ill ventilated patients (MoDUS trial): study protocol for a randomized controlled trial. <i>Trials</i> , 2015 , 16, 218	2.8	13
77	Core Outcomes in Ventilation Trials (COVENT): protocol for a core outcome set using a Delphi survey with a nested randomised trial and observational cohort study. <i>Trials</i> , 2015 , 16, 368	2.8	41
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