

# Niall D Ferguson

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/5369511/niall-d-ferguson-publications-by-citations.pdf>

**Version:** 2024-04-24

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

234  
papers

24,832  
citations

60  
h-index

156  
g-index

287  
ext. papers

31,027  
ext. citations

10.1  
avg, IF

6.69  
L-index

#	Paper	IF	Citations
234	Acute respiratory distress syndrome: the Berlin Definition. <i>JAMA - Journal of the American Medical Association</i> , <b>2012</b> , 307, 2526-33	27.4	4919
233	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> , <b>2016</b> , 315, 788-800	27.4	2131
232	High-frequency oscillation in early acute respiratory distress syndrome. <i>New England Journal of Medicine</i> , <b>2013</b> , 368, 795-805	59.2	1028
231	Evolution of mechanical ventilation in response to clinical research. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2008</b> , 177, 170-7	10.2	982
230	Extracorporeal Membrane Oxygenation for Severe Acute Respiratory Distress Syndrome. <i>New England Journal of Medicine</i> , <b>2018</b> , 378, 1965-1975	59.2	940
229	Evolution of mortality over time in patients receiving mechanical ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 188, 220-30	10.2	847
228	Risk factors for extubation failure in patients following a successful spontaneous breathing trial. <i>Chest</i> , <b>2006</b> , 130, 1664-71	5.3	809
227	The Berlin definition of ARDS: an expanded rationale, justification, and supplementary material. <i>Intensive Care Medicine</i> , <b>2012</b> , 38, 1573-82	14.5	788
226	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> , <b>2017</b> , 195, 1259-1269	10.2	674
225	Noninvasive positive-pressure ventilation for respiratory failure after extubation. <i>New England Journal of Medicine</i> , <b>2004</b> , 350, 2452-60	59.2	620
224	Has mortality from acute respiratory distress syndrome decreased over time?: A systematic review. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2009</b> , 179, 220-7	10.2	558
223	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> , <b>2020</b> , 324, 1317-1329	27.4	386
222	Early Neuromuscular Blockade in the Acute Respiratory Distress Syndrome. <i>New England Journal of Medicine</i> , <b>2019</b> , 380, 1997-2008	59.2	335
221	Daily sedation interruption in mechanically ventilated critically ill patients cared for with a sedation protocol: a randomized controlled trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2012</b> , 308, 1985-92	27.4	317
220	Position paper for the organization of extracorporeal membrane oxygenation programs for acute respiratory failure in adult patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 190, 488-96	10.2	290
219	Sepsis incidence and outcome: contrasting the intensive care unit with the hospital ward. <i>Critical Care Medicine</i> , <b>2007</b> , 35, 1284-9	1.4	274
218	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> , <b>2017</b> , 195, 67-77	10.2	269

217	Evolution of Diaphragm Thickness during Mechanical Ventilation. Impact of Inspiratory Effort. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2015</b> , 192, 1080-8	10.2	263
216	Mechanical Ventilation-induced Diaphragm Atrophy Strongly Impacts Clinical Outcomes. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 197, 204-213	10.2	263
215	Recruitment maneuvers for acute lung injury: a systematic review. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2008</b> , 178, 1156-63	10.2	234
214	COVID-19-associated acute respiratory distress syndrome: is a different approach to management warranted?. <i>Lancet Respiratory Medicine</i> , <b>2020</b> , 8, 816-821	35.1	219
213	One-Year Outcomes in Caregivers of Critically Ill Patients. <i>New England Journal of Medicine</i> , <b>2016</b> , 374, 1831-41	59.2	214
212	Prevalence, risk factors, and outcomes of delirium in mechanically ventilated adults. <i>Critical Care Medicine</i> , <b>2015</b> , 43, 557-66	1.4	209
211	Comparison of clinical criteria for the acute respiratory distress syndrome with autopsy findings. <i>Annals of Internal Medicine</i> , <b>2004</b> , 141, 440-5	8	202
210	Acute respiratory distress syndrome: underrecognition by clinicians and diagnostic accuracy of three clinical definitions. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 2228-34	1.4	187
209	Measuring diaphragm thickness with ultrasound in mechanically ventilated patients: feasibility, reproducibility and validity. <i>Intensive Care Medicine</i> , <b>2015</b> , 41, 642-9	14.5	176
208	Characteristics and outcomes of ventilated patients according to time to liberation from mechanical ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2011</b> , 184, 430-7	10.2	176
207	The RECOVER Program: Disability Risk Groups and 1-Year Outcome after 7 or More Days of Mechanical Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2016</b> , 194, 831-844	10.2	173
206	Position paper for the organization of ECMO programs for cardiac failure in adults. <i>Intensive Care Medicine</i> , <b>2018</b> , 44, 717-729	14.5	162
205	High frequency oscillation in patients with acute lung injury and acute respiratory distress syndrome (ARDS): systematic review and meta-analysis. <i>BMJ, The</i> , <b>2010</b> , 340, c2327	5.9	157
204	Airway pressures, tidal volumes, and mortality in patients with acute respiratory distress syndrome. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 21-30	1.4	144
203	Screening of ARDS patients using standardized ventilator settings: influence on enrollment in a clinical trial. <i>Intensive Care Medicine</i> , <b>2004</b> , 30, 1111-6	14.5	135
202	Association of Noninvasive Oxygenation Strategies With All-Cause Mortality in Adults With Acute Hypoxemic Respiratory Failure: A Systematic Review and Meta-analysis. <i>JAMA - Journal of the American Medical Association</i> , <b>2020</b> , 324, 57-67	27.4	130
201	A protocol for high-frequency oscillatory ventilation in adults: results from a roundtable discussion. <i>Critical Care Medicine</i> , <b>2007</b> , 35, 1649-54	1.4	129
200	The impact of hospital and ICU organizational factors on outcome in critically ill patients: results from the Extended Prevalence of Infection in Intensive Care study. <i>Critical Care Medicine</i> , <b>2015</b> , 43, 519-26 <sup>4</sup>	1.4	128

199	Management and outcome of mechanically ventilated neurologic patients. <i>Critical Care Medicine</i> , <b>2011</b> , 39, 1482-92	1.4	127
198	Oxygenation response to positive end-expiratory pressure predicts mortality in acute respiratory distress syndrome. A secondary analysis of the LOVS and ExPress trials. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 190, 70-6	10.2	124
197	Severe hypercapnia and outcome of mechanically ventilated patients with moderate or severe acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , <b>2017</b> , 43, 200-208	14.5	115
196	Influence of body mass index on outcome of the mechanically ventilated patients. <i>Thorax</i> , <b>2011</b> , 66, 66-73	7.3	113
195	Combining high-frequency oscillatory ventilation and recruitment maneuvers in adults with early acute respiratory distress syndrome: the Treatment with Oscillation and an Open Lung Strategy (TOOLS) Trial pilot study. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 479-86	1.4	104
194	Feasibility and safety of extracorporeal CO removal to enhance protective ventilation in acute respiratory distress syndrome: the SUPERNOVA study. <i>Intensive Care Medicine</i> , <b>2019</b> , 45, 592-600	14.5	103
193	Development of a clinical definition for acute respiratory distress syndrome using the Delphi technique. <i>Journal of Critical Care</i> , <b>2005</b> , 20, 147-54	4	98
192	High values of the pulmonary artery wedge pressure in patients with acute lung injury and acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , <b>2002</b> , 28, 1073-7	14.5	96
191	Potential for Lung Recruitment Estimated by the Recruitment-to-Inflation Ratio in Acute Respiratory Distress Syndrome. A Clinical Trial. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 201, 178-187	10.2	87
190	Higher versus lower blood pressure targets for vasopressor therapy in shock: a multicentre pilot randomized controlled trial. <i>Intensive Care Medicine</i> , <b>2016</b> , 42, 542-550	14.5	86
189	Clinical risk conditions for acute lung injury in the intensive care unit and hospital ward: a prospective observational study. <i>Critical Care</i> , <b>2007</b> , 11, R96	10.8	85
188	Intensive versus conventional glucose control in critically ill patients with traumatic brain injury: long-term follow-up of a subgroup of patients from the NICE-SUGAR study. <i>Intensive Care Medicine</i> , <b>2015</b> , 41, 1037-47	14.5	81
187	Long-term follow-up of survivors of acute lung injury: lack of effect of a ventilation strategy to prevent barotrauma. <i>Critical Care Medicine</i> , <b>1999</b> , 27, 2616-21	1.4	81
186	Effect of a nursing-implemented sedation protocol on weaning outcome. <i>Critical Care Medicine</i> , <b>2008</b> , 36, 2054-60	1.4	78
185	Diaphragmatic myotrauma: a mediator of prolonged ventilation and poor patient outcomes in acute respiratory failure. <i>Lancet Respiratory Medicine</i> , <b>2019</b> , 7, 90-98	35.1	74
184	Clinical challenges in mechanical ventilation. <i>Lancet, The</i> , <b>2016</b> , 387, 1856-66	40	71
183	Translocating lions into an inbred lion population in the Hluhluwe-iMfolozi Park, South Africa. <i>Animal Conservation</i> , <b>2008</b> , 11, 138-143	3.2	67
182	Extracorporeal life support as a bridge to lung transplantation-experience of a high-volume transplant center. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2018</b> , 155, 1316-1328.e1	1.5	66

181	Outcomes of interfacility critical care adult patient transport: a systematic review. <i>Critical Care</i> , <b>2006</b> , 10, R6	10.8	64
180	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</i> , <b>2017</b> , 5, 627-638	35.1	63
179	Severity of Hypoxemia and Effect of High-Frequency Oscillatory Ventilation in Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2017</b> , 196, 727-733	10.2	62
178	Acute respiratory distress syndrome 40 years later: time to revisit its definition. <i>Critical Care Medicine</i> , <b>2008</b> , 36, 2912-21	1.4	62
177	Patient safety, resident well-being and continuity of care with different resident duty schedules in the intensive care unit: a randomized trial. <i>Cmaj</i> , <b>2015</b> , 187, 321-9	3.5	61
176	Lung- and Diaphragm-Protective Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 202, 950-961	10.2	61
175	The influence of corticosteroid treatment on the outcome of influenza A(H1N1pdm09)-related critical illness. <i>Critical Care</i> , <b>2016</b> , 20, 75	10.8	60
174	Inspiratory Muscle Rehabilitation in Critically Ill Adults. A Systematic Review and Meta-Analysis. <i>Annals of the American Thoracic Society</i> , <b>2018</b> , 15, 735-744	4.7	58
173	Analgesic, sedative, antipsychotic, and neuromuscular blocker use in Canadian intensive care units: a prospective, multicentre, observational study. <i>Canadian Journal of Anaesthesia</i> , <b>2014</b> , 61, 619-30	3	58
172	Epidemiology of acute lung injury and acute respiratory distress syndrome. <i>Seminars in Respiratory and Critical Care Medicine</i> , <b>2006</b> , 27, 327-36	3.9	58
171	Lung Recruitment Maneuvers for Adult Patients with Acute Respiratory Distress Syndrome. A Systematic Review and Meta-Analysis. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, S304-S311	4.7	57
170	Utility and safety of draining pleural effusions in mechanically ventilated patients: a systematic review and meta-analysis. <i>Critical Care</i> , <b>2011</b> , 15, R46	10.8	56
169	Prevalence, risk factors, and outcomes associated with physical restraint use in mechanically ventilated adults. <i>Journal of Critical Care</i> , <b>2016</b> , 31, 31-5	4	56
168	Airway pressure release ventilation versus assist-control ventilation: a comparative propensity score and international cohort study. <i>Intensive Care Medicine</i> , <b>2010</b> , 36, 817-27	14.5	54
167	ECMO for ARDS: from salvage to standard of care?. <i>Lancet Respiratory Medicine</i> , <b>2019</b> , 7, 108-110	35.1	54
166	Epidemiology and patterns of tracheostomy practice in patients with acute respiratory distress syndrome in ICUs across 50 countries. <i>Critical Care</i> , <b>2018</b> , 22, 195	10.8	53
165	Lung-protective ventilation in neurosurgical patients. <i>Current Opinion in Critical Care</i> , <b>2006</b> , 12, 3-7	3.5	52
164	Volatile Anesthetics. Is a New Player Emerging in Critical Care Sedation?. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2016</b> , 193, 1202-12	10.2	50

163	Mechanical Ventilation for Acute Respiratory Distress Syndrome during Extracorporeal Life Support. Research and Practice. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 201, 514-525	10.2	50
162	Immunocompromised patients with acute respiratory distress syndrome: secondary analysis of the LUNG SAFE database. <i>Critical Care</i> , <b>2018</b> , 22, 157	10.8	49
161	A novel non-invasive method to detect excessively high respiratory effort and dynamic transpulmonary driving pressure during mechanical ventilation. <i>Critical Care</i> , <b>2019</b> , 23, 346	10.8	48
160	Safety and Efficacy of Volatile Anesthetic Agents Compared With Standard Intravenous Midazolam/Propofol Sedation in Ventilated Critical Care Patients: A Meta-analysis and Systematic Review of Prospective Trials. <i>Anesthesia and Analgesia</i> , <b>2017</b> , 124, 1190-1199	3.9	47
159	Daily sedation interruption versus no daily sedation interruption for critically ill adult patients requiring invasive mechanical ventilation. <i>The Cochrane Library</i> , <b>2014</b> , CD009176	5.2	47
158	Management and outcome of mechanically ventilated patients after cardiac arrest. <i>Critical Care</i> , <b>2015</b> , 19, 215	10.8	43
157	Clinical review: Acute respiratory distress syndrome - clinical ventilator management and adjunct therapy. <i>Critical Care</i> , <b>2013</b> , 17, 225	10.8	42
156	Mechanical ventilation in patients with acute brain injury: recommendations of the European Society of Intensive Care Medicine consensus. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 2397-2410	14.5	41
155	Design and Rationale of the Reevaluation of Systemic Early Neuromuscular Blockade Trial for Acute Respiratory Distress Syndrome. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, 124-133	4.7	41
154	Extracorporeal life support for adults with acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 2464-2476	14.5	40
153	Airway Occlusion Pressure As an Estimate of Respiratory Drive and Inspiratory Effort during Assisted Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 201, 1086-1098	10.2	39
152	Do heart and respiratory rate variability improve prediction of extubation outcomes in critically ill patients?. <i>Critical Care</i> , <b>2014</b> , 18, R65	10.8	39
151	Frailty and invasive mechanical ventilation: association with outcomes, extubation failure, and tracheostomy. <i>Intensive Care Medicine</i> , <b>2019</b> , 45, 1742-1752	14.5	37
150	Resolved versus confirmed ARDS after 24h: insights from the LUNG SAFE study. <i>Intensive Care Medicine</i> , <b>2018</b> , 44, 564-577	14.5	36
149	Oxygen Thresholds and Mortality During Extracorporeal Life Support in Adult Patients. <i>Critical Care Medicine</i> , <b>2017</b> , 45, 1997-2005	1.4	36
148	Association between ventilatory settings and development of acute respiratory distress syndrome in mechanically ventilated patients due to brain injury. <i>Journal of Critical Care</i> , <b>2017</b> , 38, 341-345	4	35
147	Point: High-frequency ventilation is the optimal physiological approach to ventilate ARDS patients. <i>Journal of Applied Physiology</i> , <b>2008</b> , 104, 1230-1	3.7	35
146	Physiologic Responsiveness Should Guide Entry into Randomized Controlled Trials. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2015</b> , 192, 1416-9	10.2	34

145	Heparin-induced thrombocytopenia in the critically ill: interpreting the 4Ts test in a randomized trial. <i>Journal of Critical Care</i> , <b>2014</b> , 29, 470.e7-15	4	34
144	Cost-effectiveness of dalteparin vs unfractionated heparin for the prevention of venous thromboembolism in critically ill patients. <i>JAMA - Journal of the American Medical Association</i> , <b>2014</b> , 312, 2135-45	27.4	34
143	Patients' preferences for enrolment into critical-care trials. <i>Intensive Care Medicine</i> , <b>2009</b> , 35, 1703-12	14.5	34
142	Management of Acute Respiratory Distress Syndrome and Refractory Hypoxemia. A Multicenter Observational Study. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, 1818-1826	4.7	33
141	Airway Management Strategies for Brain-injured Patients Meeting Standard Criteria to Consider Extubation. A Prospective Cohort Study. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, 85-93	4.7	33
140	Integrating mortality and morbidity outcomes: using quality-adjusted life years in critical care trials. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 187, 256-61	10.2	33
139	Time-varying intensity of mechanical ventilation and mortality in patients with acute respiratory failure: a registry-based, prospective cohort study. <i>Lancet Respiratory Medicine</i> , <b>2020</b> , 8, 905-913	35.1	33
138	Interleukin-6 receptor blockade in patients with COVID-19: placing clinical trials into context. <i>Lancet Respiratory Medicine</i> , <b>2021</b> , 9, 655-664	35.1	32
137	Thirty years of critical care medicine. <i>Critical Care</i> , <b>2010</b> , 14, 311	10.8	31
136	Recall of ICU Stay in Patients Managed With a Sedation Protocol or a Sedation Protocol With Daily Interruption. <i>Critical Care Medicine</i> , <b>2015</b> , 43, 2180-90	1.4	29
135	Improving use of targeted temperature management after out-of-hospital cardiac arrest: a stepped wedge cluster randomized controlled trial. <i>Critical Care Medicine</i> , <b>2015</b> , 43, 954-64	1.4	28
134	Surrogate decision makers' attitudes towards research decision making for critically ill patients. <i>Intensive Care Medicine</i> , <b>2012</b> , 38, 1616-23	14.5	28
133	Prophylactic magnesium for improving neurologic outcome after aneurysmal subarachnoid hemorrhage: systematic review and meta-analysis. <i>Journal of Critical Care</i> , <b>2013</b> , 28, 173-81	4	26
132	The use of volatile anesthetic agents for long-term critical care sedation (VALTS): study protocol for a pilot randomized controlled trial. <i>Trials</i> , <b>2015</b> , 16, 560	2.8	26
131	A knowledge translation collaborative to improve the use of therapeutic hypothermia in post-cardiac arrest patients: protocol for a stepped wedge randomized trial. <i>Implementation Science</i> , <b>2011</b> , 6, 4	8.4	26
130	Intensive Care Physiotherapy during Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, 246-253	4.7	26
129	Acute respiratory distress syndrome (ARDS) phenotyping. <i>Intensive Care Medicine</i> , <b>2019</b> , 45, 516-519	14.5	26
128	High-flow oxygen via nasal cannulae in patients with acute hypoxemic respiratory failure: a systematic review and meta-analysis. <i>Systematic Reviews</i> , <b>2017</b> , 6, 202	3	25

127	Successful use of combined high-frequency oscillatory ventilation, inhaled nitric oxide, and prone positioning in the acute respiratory distress syndrome. <i>Anesthesiology</i> , <b>2001</b> , 95, 797-9	4.3	25
126	Bilateral pneumonectomy to treat uncontrolled sepsis in a patient awaiting lung transplantation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , <b>2017</b> , 153, e67-e69	1.5	24
125	Current and evolving standards of care for patients with ARDS. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 2157-2167	14.5	24
124	Human albumin administration in critically ill patients. <i>Intensive Care Medicine</i> , <b>1999</b> , 25, 323-5	14.5	24
123	High-frequency oscillatory ventilation versus conventional ventilation for acute respiratory distress syndrome. <i>The Cochrane Library</i> , <b>2016</b> , 4, CD004085	5.2	23
122	High-frequency oscillation in adults: a utilization review. <i>Critical Care Medicine</i> , <b>2011</b> , 39, 2631-44	1.4	23
121	An assessment of the Acute Kidney Injury Network creatinine-based criteria in patients submitted to mechanical ventilation. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , <b>2011</b> , 6, 1547-55	6.9	23
120	Early and small changes in serum creatinine concentrations are associated with mortality in mechanically ventilated patients. <i>Shock</i> , <b>2010</b> , 34, 109-16	3.4	23
119	Monitoring during extracorporeal membrane oxygenation. <i>Current Opinion in Critical Care</i> , <b>2016</b> , 22, 230-8	3.5	23
118	New therapies for adults with acute lung injury. High-frequency oscillatory ventilation. <i>Critical Care Clinics</i> , <b>2002</b> , 18, 91-106	4.5	22
117	Complications from recruitment maneuvers in patients with acute lung injury: secondary analysis from the lung open ventilation study. <i>Respiratory Care</i> , <b>2012</b> , 57, 1842-9	2.1	22
116	Association of Low Baseline Diaphragm Muscle Mass With Prolonged Mechanical Ventilation and Mortality Among Critically Ill Adults. <i>JAMA Network Open</i> , <b>2020</b> , 3, e1921520	10.4	21
115	Research in Extracorporeal Life Support: A Call to Action. <i>Chest</i> , <b>2018</b> , 153, 788-791	5.3	21
114	Impact of sedation and analgesia during noninvasive positive pressure ventilation on outcome: a marginal structural model causal analysis. <i>Intensive Care Medicine</i> , <b>2015</b> , 41, 1586-600	14.5	21
113	Outcomes of patients ventilated with synchronized intermittent mandatory ventilation with pressure support: a comparative propensity score study. <i>Chest</i> , <b>2010</b> , 137, 1265-77	5.3	21
112	Outcomes of Patients Presenting with Mild Acute Respiratory Distress Syndrome: Insights from the LUNG SAFE Study. <i>Anesthesiology</i> , <b>2019</b> , 130, 263-283	4.3	21
111	Identifying Clinical Research Priorities in Adult Pulmonary and Critical Care: NHLBI Working Group Report. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> ,	10.2	20
110	High-frequency ventilation versus conventional ventilation for treatment of acute lung injury and acute respiratory distress syndrome. <i>Cochrane Database of Systematic Reviews</i> , <b>2013</b> , CD004085		20



109	Inhalational volatile-based sedation for COVID-19 pneumonia and ARDS. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 1563-1566	14.5	19
108	Determinants of the effect of extracorporeal carbon dioxide removal in the SUPERNOVA trial: implications for trial design. <i>Intensive Care Medicine</i> , <b>2019</b> , 45, 1219-1230	14.5	19
107	Early vs late tracheotomy in ICU patients. <i>JAMA - Journal of the American Medical Association</i> , <b>2010</b> , 303, 1537-8	27.4	19
106	Ventilation practices and critical events during transport of ventilated patients outside of hospital: a retrospective cohort study. <i>Prehospital Emergency Care</i> , <b>2009</b> , 13, 316-23	2.8	19
105	High-Frequency Oscillation for Adult Patients with Acute Respiratory Distress Syndrome. A Systematic Review and Meta-Analysis. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, S289-S296	4.7	18
104	Inter-country variability over time in the mortality of mechanically ventilated patients. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 444-453	14.5	18
103	Long-Term Effects of Phased Implementation of Antimicrobial Stewardship in Academic ICUs: 2007-2015. <i>Critical Care Medicine</i> , <b>2019</b> , 47, 159-166	1.4	18
102	Targeted temperature management following out-of-hospital cardiac arrest: a systematic review and network meta-analysis of temperature targets. <i>Intensive Care Medicine</i> , <b>2021</b> , 47, 1078-1088	14.5	18
101	"It's Parallel Universes": An Analysis of Communication Between Surgeons and Intensivists. <i>Critical Care Medicine</i> , <b>2015</b> , 43, 2147-54	1.4	17
100	High-frequency oscillatory ventilation for early acute respiratory distress syndrome in adults. <i>Current Opinion in Critical Care</i> , <b>2014</b> , 20, 77-85	3.5	17
99	Pro/con clinical debate: tracheostomy is ideal for withdrawal of mechanical ventilation in severe neurological impairment. <i>Critical Care</i> , <b>2004</b> , 8, 327-30	10.8	17
98	Comparative Effectiveness of Protective Ventilation Strategies for Moderate and Severe Acute Respiratory Distress Syndrome. A Network Meta-Analysis. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> , 203, 1366-1377	10.2	17
97	Rates and determinants of informed consent: a case study of an international thromboprophylaxis trial. <i>Journal of Critical Care</i> , <b>2013</b> , 28, 28-39	4	16
96	Core competency in mechanical ventilation: development of educational objectives using the Delphi technique. <i>Critical Care Medicine</i> , <b>2012</b> , 40, 2828-32	1.4	16
95	Mechanical ventilation: epidemiological insights into current practices. <i>Current Opinion in Critical Care</i> , <b>2009</b> , 15, 44-51	3.5	16
94	"Stop right there...I gotta know right now!" Do steroids really help for CAP?. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2005</b> , 172, 643-4; author reply 644-5	10.2	16
93	Prediction and Outcome of Intensive Care Unit-Acquired Paresis. <i>Journal of Intensive Care Medicine</i> , <b>2018</b> , 33, 16-28	3.3	15
92	Long-Term Quality of Life After Extracorporeal Membrane Oxygenation in ARDS Survivors: Systematic Review and Meta-Analysis. <i>Journal of Intensive Care Medicine</i> , <b>2020</b> , 35, 233-243	3.3	15

91	High-frequency oscillatory ventilation: still a role?. <i>Current Opinion in Critical Care</i> , <b>2017</b> , 23, 175-179	3.5	14
90	Characteristics and Outcomes of Eligible Nonenrolled Patients in a Mechanical Ventilation Trial of Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2015</b> , 192, 1306-13	10.2	14
89	Positive End-Expiratory Pressure, Pleural Pressure, and Regional Compliance during Pronation: An Experimental Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> , 203, 1266-1274	10.2	14
88	Continuous Negative Abdominal Pressure Reduces Ventilator-induced Lung Injury in a Porcine Model. <i>Anesthesiology</i> , <b>2018</b> , 129, 163-172	4.3	13
87	Use of a structured panel process to define antimicrobial prescribing appropriateness in critical care. <i>Journal of Antimicrobial Chemotherapy</i> , <b>2018</b> , 73, 246-249	5.1	13
86	Efficacy of a simple scavenging system for long-term critical care sedation using volatile agent-based anesthesia. <i>Canadian Journal of Anaesthesia</i> , <b>2016</b> , 63, 630-2	3	13
85	Ventilation practices in subarachnoid hemorrhage: a cohort study exploring the use of lung protective ventilation. <i>Neurocritical Care</i> , <b>2014</b> , 21, 178-85	3.3	13
84	Adjuvants to Mechanical Ventilation for Acute Respiratory Failure. Adoption, De-adoption, and Factors Associated with Selection. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, 94-102	4.7	13
83	Nursing and infection-control issues during high-frequency oscillatory ventilation. <i>Critical Care Medicine</i> , <b>2005</b> , 33, S204-8	1.4	13
82	Effect of Driving Pressure Change During Extracorporeal Membrane Oxygenation in Adults With Acute Respiratory Distress Syndrome: A Randomized Crossover Physiologic Study. <i>Critical Care Medicine</i> , <b>2020</b> , 48, 1771-1778	1.4	12
81	Corticosteroid use in the intensive care unit: a survey of intensivists. <i>Canadian Journal of Anaesthesia</i> , <b>2013</b> , 60, 652-9	3	11
80	The impact of hospital experience with out-of-hospital cardiac arrest patients on post cardiac arrest care. <i>Resuscitation</i> , <b>2017</b> , 110, 169-175	4	11
79	Physicians declining patient enrollment in a critical care trial: a case study in thromboprophylaxis. <i>Intensive Care Medicine</i> , <b>2013</b> , 39, 2115-25	14.5	10
78	Partial liquid ventilation for preventing death and morbidity in adults with acute lung injury and acute respiratory distress syndrome. <i>The Cochrane Library</i> , <b>2013</b> , CD003707	5.2	10
77	Utility of draining pleural effusions in mechanically ventilated patients. <i>Current Opinion in Pulmonary Medicine</i> , <b>2012</b> , 18, 359-65	3	10
76	The use of high-frequency oscillatory ventilation in adults with acute lung injury. <i>Respiratory Care Clinics of North America</i> , <b>2001</b> , 7, 647-61		10
75	Evolving Issues in Oxygen Therapy in Acute Care Medicine. <i>JAMA - Journal of the American Medical Association</i> , <b>2020</b> , 323, 607-608	27.4	9
74	Prolonged time to alarm in infusion devices operated at low flow rates. <i>Critical Care Medicine</i> , <b>2008</b> , 36, 2763-5	1.4	9

73	Clinical trials in critical care: can a Bayesian approach enhance clinical and scientific decision making?. <i>Lancet Respiratory Medicine,the</i> , <b>2021</b> , 9, 207-216	35.1	9
72	Body Mass Index and Mortality in Subjects With ARDS: Post-hoc Analysis of the OSCILLATE Trial. <i>Respiratory Care</i> , <b>2019</b> , 64, 1042-1048	2.1	8
71	Competing Risk Analysis for Evaluation of Dalteparin Versus Unfractionated Heparin for Venous Thromboembolism in Medical-Surgical Critically Ill Patients. <i>Medicine (United States)</i> , <b>2015</b> , 94, e1479	1.8	8
70	Better infrastructure for critical care trials: nomenclature, etymology, and informatics. <i>Critical Care Medicine</i> , <b>2009</b> , 37, S173-7	1.4	8
69	SOAP and sepsis--analyzing what comes out in the wash. <i>Critical Care Medicine</i> , <b>2006</b> , 34, 552-4	1.4	8
68	Lung-Protective Ventilation and Associated Outcomes and Costs Among Patients Receiving Invasive Mechanical Ventilation in the ED. <i>Chest</i> , <b>2021</b> , 159, 606-618	5.3	8
67	Unproven and Expensive May Still Be Justifiable. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 198, 140	10.2	7
66	Exclusion of Residents From Surgery-Intensive Care Team Communication: A Qualitative Study. <i>Journal of Surgical Education</i> , <b>2016</b> , 73, 639-47	3.4	7
65	Economic evaluation of the prophylaxis for thromboembolism in critical care trial (E-PROTECT): study protocol for a randomized controlled trial. <i>Trials</i> , <b>2014</b> , 15, 502	2.8	7
64	Coenrollment in a randomized trial of high-frequency oscillation: prevalence, patterns, predictors, and outcomes*. <i>Critical Care Medicine</i> , <b>2015</b> , 43, 328-38	1.4	7
63	High-frequency oscillatory ventilation in ALI/ARDS. <i>Critical Care Clinics</i> , <b>2011</b> , 27, 487-99	4.5	7
62	Diaphragm echodensity in mechanically ventilated patients: a description of technique and outcomes. <i>Critical Care</i> , <b>2021</b> , 25, 64	10.8	7
61	Added Benefit of Noninvasive Ventilation to High-Flow Nasal Oxygen to Prevent Reintubation in Higher-Risk Patients. <i>JAMA - Journal of the American Medical Association</i> , <b>2019</b> , 322, 1455-1457	27.4	6
60	High-frequency oscillation for ARDS. <i>New England Journal of Medicine</i> , <b>2013</b> , 368, 2233-4	59.2	6
59	The harm of high-frequency oscillatory ventilation (HFOV) in ARDS is not related to a high baseline risk of acute cor pulmonale or short-term changes in hemodynamics. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 132-134	14.5	6
58	Venovenous extracorporeal membrane oxygenation in patients with acute covid-19 associated respiratory failure: comparative effectiveness study.. <i>BMJ, The</i> , <b>2022</b> , 377, e068723	5.9	6
57	Rethinking Inspiratory Pressure Augmentation in Spontaneous Breathing Trials. <i>Chest</i> , <b>2017</b> , 151, 1399-1400	14.0	5
56	Continuous Negative Abdominal Pressure Recruits Lungs at Lower Distending Pressures. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 197, 534-537	10.2	5

55	Continuous negative abdominal pressure: mechanism of action and comparison with prone position. <i>Journal of Applied Physiology</i> , <b>2018</b> , 125, 107-116	3.7	5
54	One for all, and all for one? The globalization of critical care. <i>Critical Care Medicine</i> , <b>2008</b> , 36, 2942-3	1.4	5
53	Validation and utility of ARDS subphenotypes identified by machine-learning models using clinical data: an observational, multicohort, retrospective analysis.. <i>Lancet Respiratory Medicine</i> , <b>2022</b> ,	35.1	5
52	Achieving Safe Liberation During Weaning From VV-ECMO in Patients With Severe ARDS: The Role of Tidal Volume and Inspiratory Effort. <i>Chest</i> , <b>2021</b> , 160, 1704-1713	5.3	5
51	Identifying Subjects at Risk for Diaphragm Atrophy During Mechanical Ventilation Using Routinely Available Clinical Data. <i>Respiratory Care</i> , <b>2021</b> , 66, 551-558	2.1	5
50	Determinants of Depressive Symptoms at 1 Year Following ICU Discharge in Survivors of 7 Days of Mechanical Ventilation: Results From the RECOVER Program, a Secondary Analysis of a Prospective Multicenter Cohort Study. <i>Chest</i> , <b>2019</b> , 156, 466-476	5.3	4
49	Noninvasive oxygenation strategies in adult patients with acute respiratory failure: a protocol for a systematic review and network meta-analysis. <i>Systematic Reviews</i> , <b>2020</b> , 9, 95	3	4
48	Adjunct and rescue therapies for refractory hypoxemia: prone position, inhaled nitric oxide, high frequency oscillation, extra corporeal life support. <i>Intensive Care Medicine</i> , <b>2018</b> , 44, 1528-1531	14.5	4
47	Is it time to increase the frequency of use of high-frequency oscillatory ventilation?. <i>Critical Care</i> , <b>2005</b> , 9, 339-40	10.8	4
46	Tracheostomy for ventilated patients--not when, but in whom?. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 2695-6	1.4	4
45	High-frequency oscillatory ventilation in adults: handle with care. <i>Critical Care</i> , <b>2014</b> , 18, 464	10.8	3
44	Risk factors for acute organ failure in intensive care unit patients who receive respiratory support in the absence of non-respiratory organ failure: an international prospective cohort study. <i>Critical Care</i> , <b>2012</b> , 16, R61	10.8	3
43	Daily sedation interruption versus no daily sedation interruption for critically ill adult patients requiring invasive mechanical ventilation <b>2011</b> ,		3
42	Last word on point:counterpoint: High-frequency ventilation is/is not the optimal physiological approach to ventilate ARDS patients. <i>Journal of Applied Physiology</i> , <b>2008</b> , 104, 1240	3.7	3
41	Association of Mortality with Neuromuscular Blockade Differs according to Baseline Diaphragm Thickness. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 202, 1717-1720	10.2	3
40	Role of Positive End-Expiratory Pressure and Regional Transpulmonary Pressure in Asymmetrical Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> , 203, 969-976	10.2	3
39	Association of PEEP and Lung Recruitment Selection Strategies with Mortality in Acute Respiratory Distress Syndrome: A Systematic Review and Network Meta-Analysis.. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2022</b> ,	10.2	3
38	Opportunity Knocks? The Expansion of Volatile Agent Use in New Clinical Settings. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2018</b> , 32, 1946-1954	2.1	2

37	Re-evaluating high-frequency oscillation for ARDS: Would a targeted approach be successful? <i>Critical Care</i> , <b>2013</b> , 17, 133	10.8	2
36	ACP Journal Club. Review: Low-dose corticosteroids improve outcomes in acute lung injury and the acute respiratory distress syndrome. <i>Annals of Internal Medicine</i> , <b>2009</b> , 151, JC3-12	8	2
35	Angiotensin converting enzyme inhibitor toxicity causing interstitial pneumonitis and cholestatic hepatitis. <i>European Journal of Internal Medicine</i> , <b>2006</b> , 17, 73	3.9	2
34	Use of Inhaled Volatile Anesthetics for Longer Term Critical Care Sedation: A Pilot Randomized Controlled Trial <b>2020</b> , 2, e0281		2
33	Death in hospital following ICU discharge: insights from the LUNG SAFE study. <i>Critical Care</i> , <b>2021</b> , 25, 144	10.8	2
32	Evolution of practice patterns in the management of acute respiratory distress syndrome: A secondary analysis of two successive randomized controlled trials. <i>Journal of Critical Care</i> , <b>2021</b> , 65, 274-281	4.1	2
31	Compliance With Evidence-Based Processes of Care After Transitions Between Staff Intensivists. <i>Critical Care Medicine</i> , <b>2020</b> , 48, e227-e232	1.4	1
30	What is the best mechanical ventilation strategy in ARDS? <b>2020</b> , 109-120.e1		1
29	Are Outcomes Improving in Patients with ARDS?. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2009</b> , 180, 1159-1159	10.2	1
28	A Minimally Invasive Approach to the Management of Bronchial Carcinoid Tumors Associated with Ectopic Cushing's Syndrome. <i>Endocrine Pathology</i> , <b>1998</b> , 9, 249-253	4.2	1
27	Outcomes of interfacility critical care adult patient transport: a systematic review. <i>Canadian Journal of Anaesthesia</i> , <b>2006</b> , 53, A417-8	3	1
26	Optimizing sedative use in the intensive care unit. <i>Intensive Care Medicine</i> , <b>2002</b> , 28, 44-7	14.5	1
25	Response to Bendjelid, "Impact of pulmonary artery occlusion pressure value on the definition of acute respiratory distress syndrome". <i>Intensive Care Medicine</i> , <b>2003</b> , 29, 500-500	14.5	1
24	Mixing up old data. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 1676; author reply 1676-7	1.4	1
23	Concerning "human albumin administration in critically ill patients". <i>Intensive Care Medicine</i> , <b>1999</b> , 25, 1033	14.5	1
22	Mechanical Ventilation in Adults with Acute Respiratory Distress Syndrome An Official Clinical Guideline of American Thoracic Society/European Society of Intensive Care Medicine/Society of Critical Care Medicine. <i>Pulmonologiya</i> , <b>2018</b> , 28, 399-410	0.8	1
21	Noninvasive respiratory support following extubation in critically ill adults: a systematic review and network meta-analysis. <i>Intensive Care Medicine</i> , <b>2021</b> , 1	14.5	1
20	Health-Related Quality-of-Life and Cost Utility Analyses in Critical Care: A Systematic Review. <i>Critical Care Medicine</i> , <b>2021</b> , 49, 575-588	1.4	1

19	Precision Medicine and Heterogeneity of Treatment Effect in Therapies for ARDS. <i>Chest</i> , <b>2021</b> , 160, 1729-1738	1	
18	Association of different positive end-expiratory pressure selection strategies with all-cause mortality in adult patients with acute respiratory distress syndrome. <i>Systematic Reviews</i> , <b>2021</b> , 10, 225	3	1
17	Pulmonary Artery Catheter Education Project. <i>Critical Care</i> , <b>2004</b> , 1, 1-4	10.8	0
16	In-House, Overnight Physician Staffing: A Cross-Sectional Survey of Canadian Adult ICUs. <i>Critical Care Medicine</i> , <b>2020</b> , 48, e1203-e1210	1.4	0
15	Ensuring editorial continuity and quality of science during the COVID-19 storm: the ICM experience. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 1918-1920	14.5	0
14	Repeated endo-tracheal tube disconnection generates pulmonary edema in a model of volume overload: an experimental study.. <i>Critical Care</i> , <b>2022</b> , 26, 47	10.8	0
13	Identifying clinical subtypes in sepsis-survivors with different one-year outcomes: a secondary latent class analysis of the FROG-ICU cohort.. <i>Critical Care</i> , <b>2022</b> , 26, 114	10.8	0
12	Reply to Dreyfuss and Gaudry: Might High-Frequency Oscillatory Ventilation Improve the Prognosis of More Severe Acute Respiratory Distress Syndrome? Not So Sure. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 197, 839	10.2	
11	Reply: Quality-adjusted life years or composite outcomes?. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2013</b> , 188, 622-3	10.2	
10	What Is the Best Mechanical Ventilation Strategy in ARDS? <b>2010</b> , 94-99		
9	Tidal Volume in Mechanical Ventilation: The Importance of Considering Predicted Body Weight. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2008</b> , 178, 316-316	10.2	
8	Year in review 2006: Critical Care--Respirology. <i>Critical Care</i> , <b>2007</b> , 11, 224	10.8	
7	Ventilatory management in non-selected patients with ards. <i>Canadian Journal of Anaesthesia</i> , <b>2008</b> , 55, 4757481-4757482	3	
6	Lessons from pediatric high-frequency oscillatory ventilation may extend the application in critically ill adults. <i>Critical Care Medicine</i> , <b>2007</b> , 35, 2473	1.4	
5	Tidal volumes and the acute respiratory distress syndrome. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 1473-4; author reply 1474	1.4	
4	Mixing Up Old Data. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 1676-1677	1.4	
3	Tidal Volumes and the Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 1474	1.4	
2	Association between ROTEM Hypercoagulable Profile and Outcome in a Cohort of Severely Ill COVID-19 Patients Under Mechanical Ventilation. <i>Blood</i> , <b>2020</b> , 136, 12-13	2.2	

- 1 Utilization and effect of neuromuscular blockade in a randomized trial of high-frequency oscillation. *Journal of Critical Care*, **2021**, 66, 86-92 4