John G Laffey

List of Publications by Year
in descending order

260 papers	20,292 citations	16451 64 h-index	11939 134 g-index
274 all docs	274 docs citations	274 times ranked	19078 citing authors

#	Article	IF	Citations
1	Epidemiology, Patterns of Care, and Mortality for Patients With Acute Respiratory Distress Syndrome in Intensive Care Units in 50 Countries. JAMA - Journal of the American Medical Association, 2016, 315, 788.	7.4	3,568
2	A minimal common outcome measure set for COVID-19 clinical research. Lancet Infectious Diseases, The, 2020, 20, e192-e197.	9.1	1,165
3	The Analgesic Efficacy of Transversus Abdominis Plane Block After Abdominal Surgery: A Prospective Randomized Controlled Trial. Anesthesia and Analgesia, 2007, 104, 193-197.	2.2	746
4	The Systemic Inflammatory Response to Cardiac Surgery. Anesthesiology, 2002, 97, 215-252.	2.5	709
5	The Analgesic Efficacy of Transversus Abdominis Plane Block After Cesarean Delivery: A Randomized Controlled Trial. Anesthesia and Analgesia, 2008, 106, 186-191.	2.2	585
6	Pathophysiology of COVID-19-associated acute respiratory distress syndrome: a multicentre prospective observational study. Lancet Respiratory Medicine,the, 2020, 8, 1201-1208.	10.7	516
7	Noninvasive Ventilation of Patients with Acute Respiratory Distress Syndrome. Insights from the LUNG SAFE Study. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 67-77.	5.6	456
8	Acute respiratory distress syndrome subphenotypes and differential response to simvastatin: secondary analysis of a randomised controlled trial. Lancet Respiratory Medicine,the, 2018, 6, 691-698.	10.7	455
9	The Transversus Abdominis Plane Block Provides Effective Postoperative Analgesia in Patients Undergoing Total Abdominal Hysterectomy. Anesthesia and Analgesia, 2008, 107, 2056-2060.	2.2	432
10	Hypocapnia. New England Journal of Medicine, 2002, 347, 43-53.	27.0	382
11	Simvastatin in the Acute Respiratory Distress Syndrome. New England Journal of Medicine, 2014, 371, 1695-1703.	27.0	373
12	Challenges and solutions for addressing critical shortage of supply chain for personal and protective equipment (PPE) arising from Coronavirus disease (COVID19) pandemic â€“ Case study from the Republic of Ireland. Science of the Total Environment, 2020, 725, 138532.	8.0	322
13	Carbon dioxide and the critically illâ€”too little of a good thing?. Lancet, The, 1999, 354, 1283-1286.	13.7	288
14	Awake prone positioning for COVID-19 acute hypoxaemic respiratory failure: a randomised, controlled, multinational, open-label meta-trial. Lancet Respiratory Medicine,the, 2021, 9, 1387-1395.	10.7	259
15	Potentially modifiable factors contributing to outcome from acute respiratory distress syndrome: the LUNG SAFE study. Intensive Care Medicine, 2016, 42, 1865-1876.	8.2	247
16	Transversus Abdominis Plane Block: A Cadaveric and Radiological Evaluation. Regional Anesthesia and Pain Medicine, 2007, 32, 399-404.	2.3	241
17	Mesenchymal stem cells enhance recovery and repair following ventilator-induced lung injury in the rat. Thorax, 2012, 67, 496-501.	5.6	238
18	Hypocapnia and the injured brain: More harm than benefit. Critical Care Medicine, 2010, 38, 1348-1359.	0.9	233

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19	Intubation Practices and Adverse Peri-intubation Events in Critically Ill Patients From 29 Countries. JAMA - Journal of the American Medical Association, 2021, 325, 1164.	7.4	232
20	Permissive hypercapnia â€" role in protective lung ventilatory strategies. Intensive Care Medicine, 2004, 30, 347-356.	8.2	228
21	Comorbidities and the risk of mortality in patients with bronchiectasis: an international multicentre cohort study. Lancet Respiratory Medicine,the, 2016, 4, 969-979.	10.7	210
22	Hypercapnic Acidosis Attenuates Endotoxin-induced Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2004, 169, 46-56.	5.6	201
23	Endotracheal Intubation in Patients with Cervical Spine Immobilization. Anesthesiology, 2007, 107, 53-59.	2.5	184
24	F<scp>ifty</scp> Y<scp>ears</scp> <scp>of</scp> R<scp>esearch</scp> <scp>in</scp> ARDS.Cell-based Therapy for Acute Respiratory Distress Syndrome. Biology and Potential Therapeutic Value. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 266-273.	5.6	179
25	Biotrauma and Ventilator-Induced LungÂInjury. Chest, 2016, 150, 1109-1117.	0.8	176
26	Human mesenchymal stromal cells decrease the severity of acute lung injury induced by E. coli in the rat. Thorax, 2015, 70, 625-635.	5.6	163
27	Mechanical Ventilationâ€"associated Lung Fibrosis in Acute Respiratory Distress Syndrome. Anesthesiology, 2014, 121, 189-198.	2.5	145
28	Sustained hypercapnic acidosis during pulmonary infection increases bacterial load and worsens lung injury*. Critical Care Medicine, 2008, 36, 2128-2135.	0.9	138
29	Bench-to-bedside review: Carbon dioxide. Critical Care, 2010, 14, 220.	5.8	131
30	Tracheostomy procedures in the intensive care unit: an international survey. Critical Care, 2015, 19, 291.	5.8	117
31	Suprascapular and Interscalene Nerve Block for Shoulder Surgery. Anesthesiology, 2017, 127, 998-1013.	2.5	113
32	Unlocking the surge in demand for personal and protective equipment (PPE) and improvised face coverings arising from coronavirus disease (COVID-19) pandemic â€" Implications for efficacy, re-use and sustainable waste management. Science of the Total Environment, 2021, 752, 142259.	8.0	112
33	Ipsilateral Transversus Abdominis Plane Block Provides Effective Analgesia After Appendectomy in Children. Anesthesia and Analgesia, 2010, 111, 998-1003.	2.2	110
34	Dangers of hyperoxia. Critical Care, 2021, 25, 440.	5.8	110
35	Î²-Glucan extracts from the same edible shiitake mushroom Lentinus edodes produce differential in-vitro immunomodulatory and pulmonary cytoprotective effects â€" Implications for coronavirus disease (COVID-19) immunotherapies. Science of the Total Environment, 2020, 732, 139330.	8.0	105
36	Hypercapnic acidosis attenuates pulmonary epithelial wound repair by an NF-ÂB dependent mechanism. Thorax, 2009, 64, 976-982.	5.6	104

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37	Bench-to-bedside review: Permissive hypercapnia. Critical Care, 2004, 9, 51.	5.8	100
38	Personalized mechanical ventilation in acute respiratory distress syndrome. Critical Care, 2021, 25, 250.	5.8	97
39	Carbon dioxide attenuates pulmonary impairment resulting from hyperventilation*. Critical Care Medicine, 2003, 31, 2634-2640.	0.9	96
40	Mechanical Stress and the Induction of Lung Fibrosis via the Midkine Signaling Pathway. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 315-323.	5.6	93
41	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. Lancet Respiratory Medicine,the, 2017, 5, 627-638.	10.7	93
42	Effects of Intratracheal Mesenchymal Stromal Cell Therapy during Recovery and Resolution after Ventilator-induced Lung Injury. Anesthesiology, 2013, 118, 924-932.	2.5	92
43	Identification and Modulation of Microenvironment Is Crucial for Effective Mesenchymal Stromal Cell Therapy in Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1214-1224.	5.6	92
44	Epidemiology and patterns of tracheostomy practice in patients with acute respiratory distress syndrome in ICUs across 50 countries. Critical Care, 2018, 22, 195.	5.8	91
45	The Effects of Intracuff Lidocaine on Endotracheal-Tube-Induced Emergence Phenomena After General Anesthesia. Anesthesia and Analgesia, 2000, 91, 201-205.	2.2	89
46	Effects of Therapeutic Hypercapnia on Mesenteric Ischemiaâ€“Reperfusion Injury. American Journal of Respiratory and Critical Care Medicine, 2003, 168, 1383-1390.	5.6	89
47	Î²-Glucan Metabolic and Immunomodulatory Properties and Potential for Clinical Application. Journal of Fungi (Basel, Switzerland), 2020, 6, 356.	3.5	87
48	Clinical review: Stem cell therapies for acute lung injury/acute respiratory distress syndrome - hope or hype?. Critical Care, 2012, 16, 205.	5.8	85
49	Compliance Phenotypes in Early Acute Respiratory Distress Syndrome before the COVID-19 Pandemic. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1244-1252.	5.6	85
50	Immunocompromised patients with acute respiratory distress syndrome: secondary analysis of the LUNG SAFE database. Critical Care, 2018, 22, 157.	5.8	84
51	Hypercapnia and Acidosis in Sepsis. Anesthesiology, 2010, 112, 462-472.	2.5	83
52	Updated guidance on the management of COVID-19: from an American Thoracic Society/European Respiratory Society coordinated International Task Force (29 July 2020). European Respiratory Review, 2020, 29, 200287.	7.1	82
53	Angiotensin-(1-7) improves oxygenation, while reducing cellular infiltrate and fibrosis in experimental Acute Respiratory Distress Syndrome. Intensive Care Medicine Experimental, 2015, 3, 44.	1.9	81
54	Nebulised heparin as a treatment for COVID-19: scientific rationale and a call for randomised evidence. Critical Care, 2020, 24, 454.	5.8	81

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55	A national survey of attitudes to COVID-19 digital contact tracing in the Republic of Ireland. Irish Journal of Medical Science, 2021, 190, 863-887.	1.5	79
56	Hypercapnic acidosis attenuates ventilation-induced lung injury by a nuclear factor-Î²Bâ€“dependent mechanism. Critical Care Medicine, 2012, 40, 2622-2630.	0.9	77
57	Tracheal intubation by inexperienced medical residents using the Airtraq and Macintosh laryngoscopesâ€”a manikin study. American Journal of Emergency Medicine, 2006, 24, 769-774.	1.6	76
58	Hypercapnic acidosis attenuates shock and lung injury in early and prolonged systemic sepsis. Critical Care Medicine, 2009, 37, 2412-2420.	0.9	76
59	Hypercapnic acidosis does not modulate the severity of bacterial pneumoniaâ€“induced lung injury. Critical Care Medicine, 2005, 33, 2606-2612.	0.9	74
60	Mesenchymal Stem Cell Trials for Pulmonary Diseases. Journal of Cellular Biochemistry, 2014, 115, 1023-1032.	2.6	73
61	Extracellular Vesicles from Interferon-Î³â€“primed Human Umbilical Cord Mesenchymal Stromal Cells Reduce Escherichia coliâ€“induced Acute Lung Injury in Rats. Anesthesiology, 2019, 130, 778-790.	2.5	73
62	Awake prone positioning for non-intubated patients with COVID-19-related acute hypoxaemic respiratory failure: a systematic review and meta-analysis. Lancet Respiratory Medicine,the, 2022, 10, 573-583.	10.7	73
63	Hypercapnic Acidosis Attenuates Lung Injury Induced by Established Bacterial Pneumonia. Anesthesiology, 2008, 109, 837-848.	2.5	70
64	Hypercapnic acidosis attenuates severe acute bacterial pneumonia-induced lung injury by a neutrophil-independent mechanism*. Critical Care Medicine, 2008, 36, 3135-3144.	0.9	69
65	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*. Critical Care Medicine, 2019, 47, 229-238.	0.9	68
66	Cryopreserved, Xeno-Free Human Umbilical Cord Mesenchymal Stromal Cells Reduce Lung Injury Severity and Bacterial Burden in Rodent Escherichia coliâ€“Induced Acute Respiratory Distress Syndrome. Critical Care Medicine, 2017, 45, e202-e212.	0.9	67
67	Permissive hypercapnia: role in protective lung ventilatory strategies. Current Opinion in Critical Care, 2005, 11, 56-62.	3.2	66
68	Mesenchymal stromal cells are more effective than the MSC secretome in diminishing injury and enhancing recovery following ventilator-induced lung injury. Intensive Care Medicine Experimental, 2015, 3, 29.	1.9	64
69	Validation and utility of ARDS subphenotypes identified by machine-learning models using clinical data: an observational, multicohort, retrospective analysis. Lancet Respiratory Medicine,the, 2022, 10, 367-377.	10.7	64
70	Negative trials in critical care: why most research is probably wrong. Lancet Respiratory Medicine,the, 2018, 6, 659-660.	10.7	61
71	Missed or delayed diagnosis of ARDS: a common and serious problem. Intensive Care Medicine, 2020, 46, 1180-1183.	8.2	60
72	The LUNG SAFE study: a presentation of the prevalence of ARDS according to the Berlin Definition!. Critical Care, 2016, 20, 268.	5.8	59

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73	Lessons to learn from epidemiologic studies in ARDS. Current Opinion in Critical Care, 2018, 24, 41-48.	3.2	59
74	Role of the adaptive immune response in sepsis. Intensive Care Medicine Experimental, 2020, 8, 20.	1.9	58
75	Therapeutic Efficacy of Human Mesenchymal Stromal Cells in the Repair of Established Ventilator-induced Lung Injury in the Rat. Anesthesiology, 2015, 122, 363-373.	2.5	57
76	A comparison of the GlidescopeÂ®, Pentax AWSÂ®, and Macintosh laryngoscopes when used by novice personnel: a manikin study. Canadian Journal of Anaesthesia, 2009, 56, 802-811.	1.6	56
77	Comparison of the GlidescopeÂ® and Pentax AWSÂ®laryngoscopes to the Macintosh laryngoscope for use by Advanced Paramedics in easy and simulated difficult intubation. BMC Emergency Medicine, 2009, 9, 9.	1.9	55
78	F<scp>ifty</scp> Y<scp>ears of</scp> R<scp>esearch in</scp> ARDS.Insight into Acute Respiratory Distress Syndrome. From Models to Patients. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 18-28.	5.6	55
79	High risk of patient self-inflicted lung injury in COVID-19 with frequently encountered spontaneous breathing patterns: a computational modelling study. Annals of Intensive Care, 2021, 11, 109.	4.6	55
80	Transversus Abdominis Plane Block. Anesthesia and Analgesia, 2007, 105, 883.	2.2	54
81	Mesenchymal stem cells enhance NOX2-dependent reactive oxygen species production and bacterial killing in macrophages during sepsis. European Respiratory Journal, 2018, 51, 1702021.	6.7	53
82	Emerging pharmacological therapies for ARDS: COVID-19 and beyond. Intensive Care Medicine, 2020, 46, 2265-2283.	8.2	52
83	The Effects of Intracuff Lidocaine on Endotracheal-Tube-Induced Emergence Phenomena After General Anesthesia. Anesthesia and Analgesia, 2000, 91, 201-205.	2.2	50
84	Stem Cellâ€“based Therapies for Sepsis. Anesthesiology, 2017, 127, 1017-1034.	2.5	49
85	Demographics, management and outcome of females and males with acute respiratory distress syndrome in the LUNG SAFE prospective cohort study. European Respiratory Journal, 2019, 54, 1900609.	6.7	49
86	Differential Effects of Buffered Hypercapnia versusÂ Hypercapnic Acidosis on Shock and Lung Injury Induced by Systemic Sepsis. Anesthesiology, 2009, 111, 1317-1326.	2.5	49
87	Hypercapnia Induces Cleavage and Nuclear Localization of RelB Protein, Giving Insight into CO2 Sensing and Signaling. Journal of Biological Chemistry, 2012, 287, 14004-14011.	3.4	48
88	Resolved versus confirmed ARDS after 24Âh: insights from the LUNG SAFE study. Intensive Care Medicine, 2018, 44, 564-577.	8.2	48
89	Infection-induced lung injury is worsened after renal buffering of hypercapnic acidosis. Critical Care Medicine, 2009, 37, 2953-2961.	0.9	46
90	Permissive hypercapnia. Current Opinion in Anaesthesiology, 2015, 28, 26-37.	2.0	46

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91	Cell therapy in acute respiratory distress syndrome. Journal of Thoracic Disease, 2018, 10, 5607-5620.	1.4	46
92	Peri-intubation Cardiovascular Collapse in Patients Who Are Critically Ill: Insights from the INTUBE Study. American Journal of Respiratory and Critical Care Medicine, 2022, 206, 449-458.	5.6	46
93	Syndecan-2â€“positive, Bone Marrowâ€“derived Human Mesenchymal Stromal Cells Attenuate Bacterial-induced Acute Lung Injury and Enhance Resolution of Ventilator-induced Lung Injury in Rats. Anesthesiology, 2018, 129, 502-516.	2.5	45
94	The intensive care medicine research agenda for airways, invasive and noninvasive mechanical ventilation. Intensive Care Medicine, 2017, 43, 1352-1365.	8.2	41
95	Etiologies, diagnostic work-up and outcomes of acute respiratory distress syndrome with no common risk factor: a prospective multicenter study. Annals of Intensive Care, 2017, 7, 69.	4.6	41
96	Comparison of the AirtraqÂ® and TruviewÂ®laryngoscopes to the Macintosh laryngoscope for use by Advanced Paramedics in easy and simulated difficult intubation in manikins. BMC Emergency Medicine, 2009, 9, 2.	1.9	40
97	Can 'permissive' hypercapnia modulate the severity of sepsis-induced ALI/ARDS?. Critical Care, 2011, 15, 212.	5.8	40
98	Factors for success of awake prone positioning in patients with COVID-19-induced acute hypoxemic respiratory failure: analysis of a randomized controlled trial. Critical Care, 2022, 26, 84.	5.8	40
99	Declining Mortality in Patients With Acute Respiratory Distress Syndrome: An Analysis of the Acute Respiratory Distress Syndrome Network Trials. Critical Care Medicine, 2019, 47, 315-323.	0.9	39
100	Outcome of acute hypoxaemic respiratory failure: insights from the LUNG SAFE Study. European Respiratory Journal, 2021, 57, 2003317.	6.7	39
101	Therapeutic Hypercapnia Is Not Protective in the in vivo Surfactant-Depleted Rabbit Lung. Pediatric Research, 2004, 55, 42-49.	2.3	37
102	Clinical Review: Gene-based therapies for ALI/ARDS: where are we now?. Critical Care, 2011, 15, 224.	5.8	36
103	Stem cell therapy for acute respiratory distress syndrome. Current Opinion in Critical Care, 2016, 22, 14-20.	3.2	36
104	Impact of Early Acute Kidney Injury on Management and Outcome in Patients With Acute Respiratory Distress Syndrome: A Secondary Analysis of a Multicenter Observational Study*. Critical Care Medicine, 2019, 47, 1216-1225.	0.9	36
105	Evolution of the Inflammatory and Fibroproliferative Responses during Resolution and Repair after Ventilator-induced Lung Injury in the Rat. Anesthesiology, 2011, 115, 1022-1032.	2.5	36
106	Optimized Aerosol Delivery to a Mechanically Ventilated Rodent. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2009, 22, 323-332.	1.4	35
107	Human Mesenchymal Stem Cell Secretome from Bone Marrow or Adipose-Derived Tissue Sources for Treatment of Hypoxia-Induced Pulmonary Epithelial Injury. International Journal of Molecular Sciences, 2018, 19, 2996.	4.1	35
108	Modulating the distribution and fate of exogenously delivered MSCs to enhance therapeutic potential: knowns and unknowns. Intensive Care Medicine Experimental, 2019, 7, 41.	1.9	35

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109	Patterns of Use of Adjunctive Therapies inÂPatients With Early Moderate to SevereÂARDS. Chest, 2020, 157, 1497-1505.	0.8	35
110	The Randomized Educational Acute Respiratory Distress Syndrome Diagnosis Study: A Trial to Improve the Radiographic Diagnosis of Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2018, 46, 743-748.	0.9	34
111	Precision medicine in acute respiratory distress syndrome: workshop report and recommendations for future research. European Respiratory Review, 2021, 30, 200317.	7.1	34
112	Statin therapy for acute respiratory distress syndrome: an individual patient data meta-analysis of randomised clinical trials. Intensive Care Medicine, 2017, 43, 663-671.	8.2	33
113	Overexpression of IL-10 Enhances the Efficacy of Human Umbilical-Cord-Derived Mesenchymal Stromal Cells in E. coli Pneumosepsis. Journal of Clinical Medicine, 2019, 8, 847.	2.4	33
114	Towards a biological definition of ARDS: are treatable traits the solution?. Intensive Care Medicine Experimental, 2022, 10, 8.	1.9	32
115	Cell-based therapies for the acute respiratory distress syndrome. Current Opinion in Critical Care, 2014, 20, 122-131.	3.2	31
116	Intra-vital imaging of mesenchymal stromal cell kinetics in the pulmonary vasculature during infection. Scientific Reports, 2021, 11, 5265.	3.3	31
117	Effects and mechanisms of action of sildenafil citrate in human chorionic arteries. Reproductive Biology and Endocrinology, 2009, 7, 34.	3.3	30
118	Hyperoxemia and excess oxygen use in early acute respiratory distress syndrome: insights from the LUNG SAFE study. Critical Care, 2020, 24, 125.	5.8	29
119	Survival in Immunocompromised Patients Ultimately Requiring Invasive Mechanical Ventilation: A Pooled Individual Patient Data Analysis. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 187-196.	5.6	29
120	Maternal brain death: medical, ethical and legal issues. Intensive Care Medicine, 2004, 30, 1484-1486.	8.2	28
121	Research in Extracorporeal Life Support. Chest, 2018, 153, 788-791.	0.8	28
122	Identifying associations between diabetes and acute respiratory distress syndrome in patients with acute hypoxemic respiratory failure: an analysis of the LUNG SAFE database. Critical Care, 2018, 22, 268.	5.8	28
123	Nebulized Mesenchymal Stem Cell Derived Conditioned Medium Retains Antibacterial Properties Against Clinical Pathogen Isolates. Journal of Aerosol Medicine and Pulmonary Drug Delivery, 2020, 33, 140-152.	1.4	28
124	Awake Prone Positioning in Non-Intubated Patients With Acute Hypoxemic Respiratory Failure Due to COVID-19. Respiratory Care, 2022, 67, 102-114.	1.6	28
125	Fluid Dynamics of Gas Exchange in High-Frequency Oscillatory Ventilation: InÂVitro Investigations in Idealized and Anatomically Realistic Airway Bifurcation Models. Annals of Biomedical Engineering, 2008, 36, 1856-1869.	2.5	26
126	Therapeutic Potential and Mechanisms of Action of Mesenchymal Stromal Cells for Acute Respiratory Distress Syndrome. Current Stem Cell Research and Therapy, 2014, 9, 319-329.	1.3	25

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127	Inhibition of pulmonary nuclear factor kappa-B decreases the severity of acute Escherichia coli pneumonia but worsens prolonged pneumonia. Critical Care, 2013, 17, R82.	5.8	24
128	Utility of Driving Pressure and Mechanical Power to Guide Protective Ventilator Settings in Two Cohorts of Adult and Pediatric Patients With Acute Respiratory Distress Syndrome: A Computational Investigation. Critical Care Medicine, 2020, 48, 1001-1008.	0.9	24
129	Prone positioning in COVID-19 acute respiratory failure: just do it?. British Journal of Anaesthesia, 2020, 125, 440-443.	3.4	24
130	Umbilical cord-derived CD362+ mesenchymal stromal cells for E. coli pneumonia: impact of dose regimen, passage, cryopreservation, and antibiotic therapy. Stem Cell Research and Therapy, 2020, 11, 116.	5.5	24
131	Treatment limitations in the era of ECMO. Lancet Respiratory Medicine,the, 2017, 5, 769-770.	10.7	23
132	CrossTalk proposal: There is added benefit to providing permissive hypercapnia in the treatment of ARDS. Journal of Physiology, 2013, 591, 2763-2765.	2.9	22
133	Sepsis protects the myocardium and other organs from subsequent ischaemic/reperfusion injury via a MAPK-dependent mechanism. Intensive Care Medicine Experimental, 2015, 3, 35.	1.9	22
134	Recent insights: mesenchymal stromal/stem cell therapy for acute respiratory distress syndrome. F1000Research, 2016, 5, 1532.	1.6	22
135	Repair of acute respiratory distress syndrome by stromal cell administration (REALIST) trial: A phase 1 trial. EClinicalMedicine, 2021, 41, 101167.	7.1	22
136	An appraisal of respiratory system compliance in mechanically ventilated covid-19 patients. Critical Care, 2021, 25, 199.	5.8	21
137	Immunomodulatory activity of Î²-glucan polysaccharides isolated from different species of mushroom â€“ A potential treatment for inflammatory lung conditions. Science of the Total Environment, 2022, 809, 152177.	8.0	21
138	Hypertonic saline reduces inflammation and enhances the resolution of oleic acid induced acute lung injury. BMC Pulmonary Medicine, 2008, 8, 9.	2.0	20
139	Overexpression of pulmonary extracellular superoxide dismutase attenuates endotoxin-induced acute lung injury. Intensive Care Medicine, 2011, 37, 1680-7.	8.2	20
140	Continued under-recognition of acute respiratory distress syndrome after the Berlin definition. Current Opinion in Critical Care, 2017, 23, 10-17.	3.2	20
141	Mesenchymal Stem/Stromal Cells Therapy for Sepsis and Acute Respiratory Distress Syndrome. Seminars in Respiratory and Critical Care Medicine, 2021, 42, 020-039.	2.1	20
142	VEGF: Potential therapy for renal regeneration. F1000 Medicine Reports, 2012, 4, 2.	2.9	20
143	Maternal Brain Death and Somatic Support. Neurocritical Care, 2005, 3, 099-106.	2.4	19
144	Hydroxymethylglutaryl-CoA reductase inhibition with simvastatin in Acute lung injury to Reduce Pulmonary dysfunction (HARP-2) trial: study protocol for a randomized controlled trial. Trials, 2012, 13, 170.	1.6	19

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145	Patterns and Impact of Arterial CO2 Management in Patients With Acute Respiratory Distress Syndrome. Chest, 2020, 158, 1967-1982.	0.8	19
146	Best Practice Guidance for Digital Contact Tracing Apps: A Cross-disciplinary Review of the Literature. JMIR MHealth and UHealth, 2021, 9, e27753.	3.7	19
147	INHALEd nebulised unfractionated HEParin for the treatment of hospitalised patients with COVIDâ€19 (INHALEâ€HEP): Protocol and statistical analysis plan for an investigatorâ€initiated international metatrial of randomised studies. British Journal of Clinical Pharmacology, 2021, 87, 3075-3091.	2.4	19
148	Hypercapnic acidosis attenuates pulmonary epithelial stretch-induced injury via inhibition of the canonical NF-ÎºB pathway. Intensive Care Medicine Experimental, 2016, 4, 8.	1.9	18
149	Using Activity Trackers to Quantify Postpartum Ambulation. Anesthesiology, 2018, 128, 598-608.	2.5	18
150	A qualitative synthesis of gastro-oesophageal reflux in bronchiectasis: Current understanding and future risk. Respiratory Medicine, 2018, 141, 132-143.	2.9	18
151	The interaction between arterial oxygenation and carbon dioxide and hospital mortality following out of hospital cardiac arrest: a cohort study. Critical Care, 2020, 24, 336.	5.8	18
152	Sentiment analysis of user feedback on the HSEâ€™s Covid-19 contact tracing app. Irish Journal of Medical Science, 2022, 191, 103-112.	1.5	18
153	Cytokine pre-activation of cryopreserved xenogeneic-free human mesenchymal stromal cells enhances resolution and repair following ventilator-induced lung injury potentially via a KGF-dependent mechanism. Intensive Care Medicine Experimental, 2020, 8, 8.	1.9	18
154	Determination of the efficacy and side-effect profile of lower doses of intrathecal morphine in patients undergoing total knee arthroplasty. BMC Anesthesiology, 2008, 8, 5.	1.8	17
155	Inhaled nebulised unfractionated heparin for the treatment of hospitalised patients with COVIDâ€19: A multicentre case series of 98 patients. British Journal of Clinical Pharmacology, 2022, 88, 2802-2813.	2.4	17
156	New strategies to control the inflammatory response in cardiac surgery. Current Opinion in Anaesthesiology, 2004, 17, 35-48.	2.0	16
157	Human Umbilical Cord Mesenchymal Stromal Cells Attenuate Systemic Sepsis in Part by Enhancing Peritoneal Macrophage Bacterial Killing via Heme Oxygenase-1 Induction in Rats. Anesthesiology, 2020, 132, 140-154.	2.5	16
158	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. The Lancet Global Health, 2022, 10, e227-e235.	6.3	16
159	Enhancement strategies for mesenchymal stem cells and related therapies. Stem Cell Research and Therapy, 2022, 13, 75.	5.5	16
160	The Transversus Abdominis Plane Block. Anesthesia and Analgesia, 2007, 105, 282-283.	2.2	15
161	Acidosis in the critically ill - balancing risks and benefits to optimize outcome. Critical Care, 2014, 18, 129.	5.8	15
162	Acute respiratory distress syndrome. BMJ: British Medical Journal, 2017, 359, j5055.	2.3	15

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163	Supporting more than one patient with a single mechanical ventilator: useful last resort or unjustifiable risk?. British Journal of Anaesthesia, 2020, 125, 247-250.	3.4	15
164	Î²-Glucans. Encyclopedia, 2021, 1, 831-847.	4.5	15
165	Current therapies for gastro-oesophageal reflux in the setting of chronic lung disease: state of the art review. ERJ Open Research, 2020, 6, 00190-2019.	2.6	15
166	Incidence of Acute Respiratory Distress Syndromeâ€"Reply. JAMA - Journal of the American Medical Association, 2016, 316, 347.	7.4	14
167	In Silico Modeling of Coronavirus Disease 2019 Acute Respiratory Distress Syndrome: Pathophysiologic Insights and Potential Management Implications. , 2020, 2, e0202.		14
168	Awake prone positioning of hypoxaemic patients with COVID-19: protocol for a randomised controlled open-label superiority meta-trial. BMJ Open, 2020, 10, e041520.	1.9	14
169	Transversus Abdominis Plane Block. Regional Anesthesia and Pain Medicine, 2007, 32, 399-404.	2.3	13
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