Alexandre Demoule

List of Publications by Year
in descending order

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Version: 2024-02-01

203 papers	13,786 citations	20817 60 h-index	24258 110 g-index
210 all docs	210 docs citations	210 times ranked	11278 citing authors

#	Article	IF	Citations
1	Extracorporeal Membrane Oxygenation for Severe Acute Respiratory Distress Syndrome. New England Journal of Medicine, 2018, 378, 1965-1975.	27.0	1,563
2	Diaphragm Dysfunction on Admission to the Intensive Care Unit. Prevalence, Risk Factors, and Prognostic Impactâ€"A Prospective Study. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 213-219.	5.6	801
3	Clinical characteristics and day-90 outcomes of 4244 critically ill adults with COVID-19: a prospective cohort study. Intensive Care Medicine, 2021, 47, 60-73.	8.2	597
4	Extracorporeal membrane oxygenation for severe acute respiratory distress syndrome associated with COVID-19: a retrospective cohort study. Lancet Respiratory Medicine,the, 2020, 8, 1121-1131.	10.7	344
5	Physiologic Effects of Noninvasive Ventilation during Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 1112-1118.	5.6	327
6	Coexistence and Impact of Limb Muscle and Diaphragm Weakness at Time of Liberation from Mechanical Ventilation in Medical Intensive Care Unit Patients. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 57-66.	5.6	322
7	Benefits and risks of success or failure of noninvasive ventilation. Intensive Care Medicine, 2006, 32, 1756-1765.	8.2	300
8	Effect of Noninvasive Ventilation vs Oxygen Therapy on Mortality Among Immunocompromised Patients With Acute Respiratory Failure. JAMA - Journal of the American Medical Association, 2015, 314, 1711.	7.4	298
9	Increased use of noninvasive ventilation in French intensive care units. Intensive Care Medicine, 2006, 32, 1747-1755.	8.2	268
10	High flow nasal cannula compared with conventional oxygen therapy for acute hypoxemic respiratory failure: a systematic review and meta-analysis. Intensive Care Medicine, 2019, 45, 563-572.	8.2	254
11	Sodium bicarbonate therapy for patients with severe metabolic acidaemia in the intensive care unit (BICAR-ICU): a multicentre, open-label, randomised controlled, phase 3 trial. Lancet, The, 2018, 392, 31-40.	13.7	232
12	Effect of High-Flow Nasal Oxygen vs Standard Oxygen on 28-Day Mortality in Immunocompromised Patients With Acute Respiratory Failure. JAMA - Journal of the American Medical Association, 2018, 320, 2099.	7.4	202
13	Symptoms of Anxiety, Depression, and Peritraumatic Dissociation in Critical Care Clinicians Managing Patients with COVID-19. A Cross-Sectional Study. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1388-1398.	5.6	202
14	High-Flow Nasal Cannula in Critically Ill Patients with Severe COVID-19. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1039-1042.	5.6	191
15	Effect of Postextubation High-Flow Nasal Oxygen With Noninvasive Ventilation vs High-Flow Nasal Oxygen Alone on Reintubation Among Patients at High Risk of Extubation Failure. JAMA - Journal of the American Medical Association, 2019, 322, 1465.	7.4	188
16	The role for high flow nasal cannula as a respiratory support strategy in adults: a clinical practice guideline. Intensive Care Medicine, 2020, 46, 2226-2237.	8.2	185
17	Effect of non-invasive oxygenation strategies in immunocompromised patients with severe acute respiratory failure: a post-hoc analysis of a randomised trial. Lancet Respiratory Medicine,the, 2016, 4, 646-652.	10.7	183
18	Lung- and Diaphragm-Protective Ventilation. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 950-961.	5.6	166

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19	Extracorporeal membrane oxygenation network organisation and clinical outcomes during the COVID-19 pandemic in Greater Paris, France: a multicentre cohort study. Lancet Respiratory Medicine,the, 2021, 9, 851-862.	10.7	163
20	Changing use of noninvasive ventilation in critically ill patients: trends over 15Âyears in francophone countries. Intensive Care Medicine, 2016, 42, 82-92.	8.2	161
21	ICU-acquired weakness, diaphragm dysfunction and long-term outcomes of critically ill patients. Annals of Intensive Care, 2020, 10, 1.	4.6	161
22	Predictors of Intubation in Patients With Acute Hypoxemic Respiratory Failure Treated With a Noninvasive Oxygenation Strategy*. Critical Care Medicine, 2018, 46, 208-215.	0.9	158
23	Dyspnea in mechanically ventilated critically ill patients*. Critical Care Medicine, 2011, 39, 2059-2065.	0.9	141
24	Unrecognized suffering in the ICU: addressing dyspnea in mechanically ventilated patients. Intensive Care Medicine, 2014, 40, 1-10.	8.2	134
25	Respiratory muscle ultrasonography: methodology, basic and advanced principles and clinical applications in ICU and ED patientsâ€”a narrative review. Intensive Care Medicine, 2020, 46, 594-605.	8.2	133
26	Noninvasive mechanical ventilation in patients having declined tracheal intubation. Intensive Care Medicine, 2013, 39, 292-301.	8.2	132
27	Retrospective Observational Study of Brain MRI Findings in Patients with Acute SARS-CoV-2 Infection and Neurologic Manifestations. Radiology, 2020, 297, E313-E323.	7.3	131
28	Ultrasound evaluation of diaphragm function in mechanically ventilated patients: comparison to phrenic stimulation and prognostic implications. Thorax, 2017, 72, 811-818.	5.6	130
29	COVIDâ€19â€related encephalopathy: a case series with brain FDGâ€positronâ€emission tomography/computed tomography findings. European Journal of Neurology, 2020, 27, 2651-2657.	3.3	127
30	Use of brain diffusion tensor imaging for the prediction of long-term neurological outcomes in patients after cardiac arrest: a multicentre, international, prospective, observational, cohort study. Lancet Neurology, The, 2018, 17, 317-326.	10.2	126
31	Continuous positive airway pressure to avoid intubation in SARS-CoV-2 pneumonia: a two-period retrospective case-control study. European Respiratory Journal, 2020, 56, 2001692.	6.7	118
32	Fatal Invasive Aspergillosis and Coronavirus Disease in an Immunocompetent Patient. Emerging Infectious Diseases, 2020, 26, 1636-1637.	4.3	118
33	Non-invasive ventilation versus high-flow nasal cannula oxygen therapy with apnoeic oxygenation for preoxygenation before intubation of patients with acute hypoxaemic respiratory failure: a randomised, multicentre, open-label trial. Lancet Respiratory Medicine,the, 2019, 7, 303-312.	10.7	113
34	The effects of a 2-h trial of high-flow oxygen by nasal cannula versus Venturi mask in immunocompromised patients with hypoxemic acute respiratory failure: a multicenter randomized trial. Critical Care, 2015, 19, 380.	5.8	107
35	Clinical strategies for implementing lung and diaphragm-protective ventilation: avoiding insufficient and excessive effort. Intensive Care Medicine, 2020, 46, 2314-2326.	8.2	105
36	The cerebral network of COVID-19-related encephalopathy: a longitudinal voxel-based 18F-FDG-PET study. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 2543-2557.	6.4	101

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37	Lack of CFTR in Skeletal Muscle Predisposes to Muscle Wasting and Diaphragm Muscle Pump Failure in Cystic Fibrosis Mice. PLoS Genetics, 2009, 5, e1000586.	3.5	99
38	Acute respiratory failure in immunocompromised adults. Lancet Respiratory Medicine,the, 2019, 7, 173-186.	10.7	99
39	Neurally Adjusted Ventilatory Assist Increases Respiratory Variability and Complexity in Acute Respiratory Failure. Anesthesiology, 2010, 112, 670-681.	2.5	97
40	Effect of a condolence letter on grief symptoms among relatives of patients who died in the ICU: a randomized clinical trial. Intensive Care Medicine, 2017, 43, 473-484.	8.2	96
41	Six-Month Outcome of Immunocompromised Patients with Severe Acute Respiratory Distress Syndrome Rescued by Extracorporeal Membrane Oxygenation. An International Multicenter Retrospective Study. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1297-1307.	5.6	95
42	Palliative noninvasive ventilation in patients with acute respiratory failure. Intensive Care Medicine, 2011, 37, 1250-1257.	8.2	93
43	Diaphragm dysfunction during weaning from mechanical ventilation: an underestimated phenomenon with clinical implications. Critical Care, 2018, 22, 73.	5.8	88
44	Impact of earplugs and eye mask on sleep in critically ill patients: a prospective randomized study. Critical Care, 2017, 21, 284.	5.8	85
45	Validation of improved recording site to measure phrenic conduction from surface electrodes in humans. Journal of Applied Physiology, 2002, 92, 967-974.	2.5	84
46	Patterns of diaphragm function in critically ill patients receiving prolonged mechanical ventilation: a prospective longitudinal study. Annals of Intensive Care, 2016, 6, 75.	4.6	83
47	High-Flow Nasal Cannula Oxygenation in Immunocompromised Patients With Acute Hypoxemic Respiratory Failure: A Groupe de Recherche Respiratoire en RÃ©animation Onco-HÃ©matologique Study. Critical Care Medicine, 2017, 45, e274-e280.	0.9	79
48	Safety of performing fiberoptic bronchoscopy in critically ill hypoxemic patients with acute respiratory failure. Intensive Care Medicine, 2013, 39, 45-52.	8.2	78
49	Validation of surface recordings of the diaphragm response to transcranial magnetic stimulation in humans. Journal of Applied Physiology, 2003, 94, 453-461.	2.5	75
50	Diaphragmatic dysfunction in patients with idiopathic inflammatory myopathies. Neuromuscular Disorders, 2005, 15, 32-39.	0.6	75
51	Neurally adjusted ventilatory assist as an alternative to pressure support ventilation in adults: a French multicentre randomized trial. Intensive Care Medicine, 2016, 42, 1723-1732.	8.2	74
52	Neurally adjusted ventilatory assist and proportional assist ventilation both improve patient-ventilator interaction. Critical Care, 2015, 19, 56.	5.8	70
53	Usefulness of Parasternal Intercostal Muscle Ultrasound during Weaning from Mechanical Ventilation. Anesthesiology, 2020, 132, 1114-1125.	2.5	68
54	Dyspnea as a Noxious Sensation: Inspiratory Threshold Loading May Trigger Diffuse Noxious Inhibitory Controls in Humans. Journal of Neurophysiology, 2007, 97, 1396-1404.	1.8	67

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55	Diaphragm electromyographic activity as a predictor of weaning failure. Intensive Care Medicine, 2012, 38, 2017-2025.	8.2	66
56	Clinical review: Update on neurally adjusted ventilatory assist - report of a round-table conference. Critical Care, 2012, 16, 225.	5.8	66
57	Diaphragm function and weaning from mechanical ventilation: an ultrasound and phrenic nerve stimulation clinical study. Annals of Intensive Care, 2018, 8, 53.	4.6	66
58	Variations in end-of-life practices in intensive care units worldwide (Ethicus-2): a prospective observational study. Lancet Respiratory Medicine,the, 2021, 9, 1101-1110.	10.7	66
59	Characteristics and Outcome of Patients After Allogeneic Hematopoietic Stem Cell Transplantation Treated With Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2017, 45, e500-e507.	0.9	64
60	Increased mortality in patients with severe SARS-CoV-2 infection admitted within seven days of disease onset. Intensive Care Medicine, 2020, 46, 1714-1722.	8.2	64
61	Cerebral Cortex Activation during Experimentally Induced Ventilator Fighting in Normal Humans Receiving Noninvasive Mechanical Ventilation. Anesthesiology, 2007, 107, 746-755.	2.5	63
62	Tracheotomy in the intensive care unit: guidelines from a French expert panel. Annals of Intensive Care, 2018, 8, 37.	4.6	63
63	Endotoxin Triggers Nuclear Factor-Î²Bâ€“dependent Up-regulation of Multiple Proinflammatory Genes in the Diaphragm. American Journal of Respiratory and Critical Care Medicine, 2006, 174, 646-653.	5.6	62
64	Dyspnea and surface inspiratory electromyograms in mechanically ventilated patients. Intensive Care Medicine, 2013, 39, 1368-1376.	8.2	61
65	Neurally adjusted ventilatory assist improves patientâ€“ventilator interaction during postextubation prophylactic noninvasive ventilation*. Critical Care Medicine, 2012, 40, 1738-1744.	0.9	60
66	Diaphragm pacing restores olfaction in tetraplegia. European Respiratory Journal, 2009, 34, 365-370.	6.7	59
67	Symptoms of Mental Health Disorders in Critical Care Physicians Facing the Second COVID-19 Wave. Chest, 2021, 160, 944-955.	0.8	59
68	The Clinical Picture of Severe Systemic Capillary-Leak Syndrome Episodes Requiring ICU Admission. Critical Care Medicine, 2017, 45, 1216-1223.	0.9	56
69	Effects of exhaustive incremental treadmill exercise on diaphragm and quadriceps motor potentials evoked by transcranial magnetic stimulation. Journal of Applied Physiology, 2004, 96, 253-259.	2.5	55
70	Can phrenic stimulation protect the diaphragm from mechanical ventilation-induced damage?. European Respiratory Journal, 2013, 42, 280-283.	6.7	49
71	Diagnostic Accuracy of Respiratory Distress Observation Scales as Surrogates of Dyspnea Self-report in Intensive Care Unit Patients. Anesthesiology, 2015, 123, 830-837.	2.5	49
72	Clinical Features and Outcomes in Patients With Disseminated Toxoplasmosis Admitted to Intensive Care: A Multicenter Study. Clinical Infectious Diseases, 2013, 57, 1535-1541.	5.8	47

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73	Clinical Significance of Upper Airway Virus Detection in Critically Ill Hematology Patients. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 518-528.	5.6	45
74	Characteristics, management, and prognosis of elderly patients with COVID-19 admitted in the ICU during the first wave: insights from the COVID-ICU study. Annals of Intensive Care, 2021, 11, 77.	4.6	44
75	Respective contribution of intensive care unit-acquired limb muscle and severe diaphragm weakness on weaning outcome and mortality: a post hoc analysis of two cohorts. Critical Care, 2019, 23, 370.	5.8	43
76	Patients Aged 90 Years or Older in the Intensive Care Unit. Journals of Gerontology - Series A Biological Sciences and Medical Sciences, 2005, 60, 129-132.	3.6	42
77	The intensive care medicine research agenda for airways, invasive and noninvasive mechanical ventilation. Intensive Care Medicine, 2017, 43, 1352-1365.	8.2	41
78	Dyspnoea in patients receiving noninvasive ventilation for acute respiratory failure: prevalence, risk factors and prognostic impact. European Respiratory Journal, 2018, 52, 1702637.	6.7	41
79	Comparison of hydroxychloroquine, lopinavir/ritonavir, and standard of care in critically ill patients with SARS-CoV-2 pneumonia: an opportunistic retrospective analysis. Critical Care, 2020, 24, 418.	5.8	41
80	A three-step support strategy for relatives of patients dying in the intensive care unit: a cluster randomised trial. Lancet, The, 2022, 399, 656-664.	13.7	41
81	Monitoring diaphragm function in the ICU. Current Opinion in Critical Care, 2020, 26, 18-25.	3.2	40
82	EXpert consensus On Diaphragm UltraSonography in the critically ill (EXODUS): a Delphi consensus statement on the measurement of diaphragm ultrasound-derived parameters in a critical care setting. Critical Care, 2022, 26, 99.	5.8	40
83	Expression and Regulation of CC Class Chemokines in the Dystrophic (mdx) Diaphragm. American Journal of Respiratory Cell and Molecular Biology, 2005, 33, 178-185.	2.9	38
84	Association of Clinical, Biological, and Brain Magnetic Resonance Imaging Findings With Electroencephalographic Findings for Patients With COVID-19. JAMA Network Open, 2021, 4, e211489.	5.9	38
85	Tracheotomy in the intensive care unit: Guidelines from a French expert panel: The French Intensive Care Society and the French Society of Anaesthesia and Intensive Care Medicine. Anaesthesia, Critical Care & Pain Medicine, 2018, 37, 281-294.	1.4	37
86	Prevalence and Prognosis Impact of Patientâ€“Ventilator Asynchrony in Early Phase of Weaning according to Two Detection Methods. Anesthesiology, 2017, 127, 989-997.	2.5	36
87	Diagnosis and outcome of acuteÂrespiratory failure in immunocompromised patients afterÂbronchoscopy. European Respiratory Journal, 2019, 54, 1802442.	6.7	36
88	Relationship between pressure-volume curve and markers for collagen turn-over in early acute respiratory distress syndrome. Intensive Care Medicine, 2006, 32, 413-420.	8.2	34
89	Candidemia in critically ill immunocompromised patients: report of a retrospective multicenter cohort study. Annals of Intensive Care, 2019, 9, 62.	4.6	34
90	Dyspnoea and respiratory muscle ultrasound to predict extubation failure. European Respiratory Journal, 2021, 58, 2100002.	6.7	34

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91	Multifaceted bench comparative evaluation of latest intensive care unit ventilators. British Journal of Anaesthesia, 2015, 115, 89-98.	3.4	33
92	The Lived Experience of ICU Clinicians During the Coronavirus Disease 2019 Outbreak: A Qualitative Study. Critical Care Medicine, 2021, 49, e585-e597.	0.9	33
93	Beneficial Effects of Noninvasive Ventilation after Extubation in Obese or Overweight Patients: A Post Hoc Analysis of a Randomized Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 440-449.	5.6	33
94	Bleeding and thrombotic events in patients with severe COVID-19 supported with extracorporeal membrane oxygenation: a nationwide cohort study. Intensive Care Medicine, 2022, 48, 1039-1052.	8.2	33
95	Assessment of Upper Airway Dynamics in Awake Patients with Sleep Apnea Using Phrenic Nerve Stimulation. American Journal of Respiratory and Critical Care Medicine, 2000, 162, 795-800.	5.6	32
96	Can we prevent intubation in patients with ARDS?. Intensive Care Medicine, 2016, 42, 768-771.	8.2	32
97	Pressure-volume curves with and without muscle paralysis in acute respiratory distress syndrome. Intensive Care Medicine, 2006, 32, 1322-1328.	8.2	30
98	The semi-seated position slightly reduces the effort to breathe during difficult weaning. Intensive Care Medicine, 2013, 39, 85-92.	8.2	30
99	â€œIt Was the Only Thing I Could Hold Onto, Butâ€¦â€ Receiving a Letter of Condolence After Loss of a Loved One in the ICU: A Qualitative Study of Bereaved Relativesâ€™ Experience*. Critical Care Medicine, 2017, 45, 1965-1971.	0.9	30
100	Impact of IL-10 on Diaphragmatic Cytokine Expression and Contractility duringPseudomonasInfection. American Journal of Respiratory Cell and Molecular Biology, 2007, 36, 504-512.	2.9	29
101	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
102	Outcomes of patients admitted to intensive care units for acute manifestation of small-vessel vasculitis: a multicenter, retrospective study. Critical Care, 2015, 20, 27.	5.8	28
103	Randomized Clinical Study of Temporary Transvenous Phrenic Nerve Stimulation in Difficult-to-Wean Patients. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 1169-1178.	5.6	28
104	Breathlessness despite optimal pathophysiological treatment: on the relevance of being chronic. European Respiratory Journal, 2017, 50, 1701159.	6.7	27
105	Inspiratory Flow Dynamics During Phrenic Nerve Stimulation in Awake Normals During Nasal Breathing. American Journal of Respiratory and Critical Care Medicine, 1999, 160, 614-620.	5.6	26
106	Performance of the ROX index to predict intubation in immunocompromised patients receiving high-flow nasal cannula for acute respiratory failure. Annals of Intensive Care, 2021, 11, 17.	4.6	26
107	How to ventilate obstructive and asthmatic patients. Intensive Care Medicine, 2020, 46, 2436-2449.	8.2	25
108	Prevalence and Impact on Weaning of Pleural Effusion at the Time of Liberation from Mechanical Ventilation. Anesthesiology, 2017, 126, 1107-1115.	2.5	24

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109	Mechanism of airway closure in acute respiratory distress syndrome: a possible role of surfactant depletion. Intensive Care Medicine, 2019, 45, 290-291.	8.2	24
110	Prevalence, Intensity, and Clinical Impact of Dyspnea in Critically Ill Patients Receiving Invasive Ventilation. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 917-926.	5.6	24
111	Management of severe asthma exacerbation: guidelines from the SociÃ©tÃ© FranÃ§aise de MÃ©decine dâ€™Urgence, the SociÃ©tÃ© de RÃ©animation de Langue FranÃ§aise and the French Group for Pediatric Intensive Care and Emergencies. Annals of Intensive Care, 2019, 9, 115.	4.6	23
112	Poor Correlation between Diaphragm Thickening Fraction and Transdiaphragmatic Pressure in Mechanically Ventilated Patients and Healthy Subjects. Anesthesiology, 2021, , .	2.5	23
113	Inhibition of monocyte chemoattractant protein-1 prevents diaphragmatic inflammation and maintains contractile function during endotoxemia. Critical Care, 2010, 14, R187.	5.8	21
114	Detection and management of dyspnea in mechanically ventilated patients. Current Opinion in Critical Care, 2019, 25, 86-94.	3.2	21
115	Intracortical Inhibition and Facilitation of the Response of the Diaphragm to Transcranial Magnetic Stimulation. Journal of Clinical Neurophysiology, 2003, 20, 59-64.	1.7	20
116	Impact of prone position in non-intubated spontaneously breathing patients admitted to the ICU for severe acute respiratory failure due to COVID-19. Journal of Critical Care, 2021, 64, 199-204.	2.2	20
117	Characteristics and prognosis of bloodstream infection in patients with COVID-19 admitted in the ICU: an ancillary study of the COVID-ICU study. Annals of Intensive Care, 2021, 11, 183.	4.6	20
118	Repetitive magnetic stimulation of the phrenic nerves for diaphragm conditioning: a normative study of feasibility and optimal settings. Applied Physiology, Nutrition and Metabolism, 2011, 36, 1001-1008.	1.9	19
119	Intensive care unit admission in chronic obstructive pulmonary disease: patient information and the physicianâ€™s decision-making process. Critical Care, 2014, 18, R115.	5.8	19
120	Increased Diaphragmatic Contribution to Inspiratory Effort during Neurally Adjusted Ventilatory Assistance versus Pressure Support. Anesthesiology, 2014, 121, 1028-1036.	2.5	19
121	Differential Perceptions of Noninvasive Ventilation in Intensive Care among Medical Caregivers, Patients, and Their Relatives. Anesthesiology, 2016, 124, 1347-1359.	2.5	19
122	Health-related quality of life of COVID-19 two and 12 months after intensive care unit admission. Annals of Intensive Care, 2022, 12, 16.	4.6	19
123	The challenge of avoiding intubation in immunocompromised patients with acute respiratory failure. Expert Review of Respiratory Medicine, 2018, 12, 867-880.	2.5	18
124	Ultrasound shear wave elastography for assessing diaphragm function in mechanically ventilated patients: a breath-by-breath analysis. Critical Care, 2020, 24, 669.	5.8	18
125	Identification of prolonged phrenic nerve conduction time in the ICU: magnetic versus electrical stimulation. Intensive Care Medicine, 2011, 37, 1962-1968.	8.2	17
126	Long-term health-related quality of life of critically ill patients with haematological malignancies: a prospective observational multicenter study. Annals of Intensive Care, 2019, 9, 2.	4.6	17

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127	Pressure-Support Ventilation vsÂT-Piece During Spontaneous Breathing Trials Before Extubation Among Patients at High Risk of Extubation Failure. Chest, 2020, 158, 1446-1455.	0.8	17
128	Oxygenation/non-invasive ventilation strategy and risk for intubation in immunocompromised patients with hypoxemic acute respiratory failure. Oncotarget, 2018, 9, 33682-33693.	1.8	16
129	The wide spectrum of COVID-19 neuropsychiatric complications within a multidisciplinary centre. Brain Communications, 2021, 3, fcab135.	3.3	16
130	â€œI had the feeling that I was trappedâ€¦ a bedside qualitative study of cognitive and affective attitudes toward noninvasive ventilation in patients with acute respiratory failure. Annals of Intensive Care, 2019, 9, 134.	4.6	16
131	Non-invasive ventilation for end-of-life oncology patients. Lancet Oncology, The, 2013, 14, e200-e201.	10.7	15
132	Corrective effect of diaphragm pacing on the decrease in cardiac output induced by positive pressure mechanical ventilation in anesthetized sheep. Respiratory Physiology and Neurobiology, 2017, 236, 23-28.	1.6	15
133	Prolonged mechanical ventilation worsens sepsis-induced diaphragmatic dysfunction in the rat. PLoS ONE, 2018, 13, e0200429.	2.5	15
134	Severe diffuse alveolar hemorrhage related to autoimmune disease: a multicenter study. Critical Care, 2020, 24, 231.	5.8	15
135	Can diaphragm pacing improve gas exchange? Insights from quadriplegic patients. European Respiratory Journal, 2014, 43, 303-306.	6.7	14
136	Acute Respiratory Distress Syndrome Cases Volume and ICU Mortality in Medical Patients. Critical Care Medicine, 2018, 46, e33-e40.	0.9	14
137	Observation scales to suspect dyspnea in non-communicative intensive care unit patients. Intensive Care Medicine, 2018, 44, 118-120.	8.2	14
138	Adjusting ventilator settings to relieve dyspnoea modifies brain activity in critically ill patients: an electroencephalogram pilot study. Scientific Reports, 2019, 9, 16572.	3.3	14
139	Very late intubation in COVID-19 patients: a forgotten prognosis factor?. Critical Care, 2022, 26, 89.	5.8	14
140	High-flow nasal cannula oxygen therapy alone or with non-invasive ventilation during the weaning period after extubation in ICU: the prospective randomised controlled HIGH-WEAN protocol. BMJ Open, 2018, 8, e023772.	1.9	13
141	Diaphragm dysfunction, lung aeration loss and weaning-induced pulmonary oedema in difficult-to-wean patients. Annals of Intensive Care, 2021, 11, 99.	4.6	13
142	Short-term training-dependent plasticity of the corticospinal diaphragm control in normal humans. Respiratory Physiology and Neurobiology, 2008, 160, 172-180.	1.6	12
143	Effects of Acute Respiratory and Metabolic Acidosis on Diaphragm Muscle Obtained from Rats. Anesthesiology, 2015, 122, 876-883.	2.5	12
144	Prognosis of patients with primary malignant brain tumors admitted to the intensive care unit: a two-decade experience. Journal of Neurology, 2017, 264, 2303-2312.	3.6	12

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145	Respiratory Suffering in the ICU: Time for Our Next Great Cause. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 1302-1304.	5.6	12
146	Effect of PEEP decremental on respiratory mechanics, gas exchange, pulmonary regional ventilation and hemodynamics in patients with SARS-Cov-2 associated Acute Respiratory Distress Syndrome. Critical Care, 2020, 24, 596.	5.8	12
147	Respiratory Mechanics and Outcomes in Immunocompromised Patients With ARDS. Chest, 2020, 158, 1947-1957.	0.8	12
148	The Mechanical Ventilationâ€“Respiratory Distress Observation Scale as a surrogate of self-reported dyspnoea in intubated patients. European Respiratory Journal, 2018, 52, 1800598.	6.7	11
149	High-flow nasal oxygen vs. standard oxygen therapy in immunocompromised patients with acute respiratory failure: study protocol for a randomized controlled trial. Trials, 2018, 19, 157.	1.6	11
150	Center effect in intubation risk in critically ill immunocompromised patients with acute hypoxemic respiratory failure. Critical Care, 2019, 23, 306.	5.8	11
151	SARS-CoV-2 Does Not Spread Through Extracorporeal Membrane Oxygenation or Dialysis Membranes. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 458-460.	5.6	11
152	Not all patients with convulsive status epilepticus intubated in pre-hospital settings meet the criteria for refractory status epilepticus. Seizure: the Journal of the British Epilepsy Association, 2021, 88, 29-35.	2.0	11
153	Critically ill cancer patientâ€™s resuscitation: a Belgian/French societiesâ€™ consensus conference. Intensive Care Medicine, 2021, 47, 1063-1077.	8.2	11
154	Predicting 90-day survival of patients with COVID-19: Survival of Severely Ill COVID (SOSIC) scores. Annals of Intensive Care, 2021, 11, 170.	4.6	11
155	Diaphragmatic Function Is Preserved during Severe Hemorrhagic Shock in the Rat. Anesthesiology, 2014, 120, 425-435.	2.5	10
156	Direct admission to the intensive care unit from the emergency department and mortality in critically ill hematology patients. Annals of Intensive Care, 2019, 9, 110.	4.6	10
157	Nicotine patches in patients on mechanical ventilation for severe COVID-19: a randomized, double-blind, placebo-controlled, multicentre trial. Intensive Care Medicine, 0, , .	8.2	10
158	Chemokine Receptor and Ligand Upregulation in the Diaphragm during Endotoxemia and Pseudomonas Lung Infection. Mediators of Inflammation, 2009, 2009, 1-11.	3.0	9
159	High flow oxygen cannula: the other side of the moon. Intensive Care Medicine, 2015, 41, 1673-1675.	8.2	9
160	Acute Respiratory Failure Outcomes in Patients with Hematologic Malignancies and Hematopoietic Cell Transplant: A Secondary Analysis of the EFRAIM Study. Transplantation and Cellular Therapy, 2021, 27, 78.e1-78.e6.	1.2	9
161	Upregulation of PPARÎ²/Î´ Is Associated with Structural and Functional Changes in the Type I Diabetes Rat Diaphragm. PLoS ONE, 2010, 5, e11494.	2.5	9
162	Non-invasive ventilation for acute exacerbations of chronic obstructive pulmonary disease. , 2010, , 217-227.		8

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163	Reduced Phrenic Motoneuron Recruitment during Sustained Inspiratory Threshold Loading Compared to Single-Breath Loading: A Twitch Interpolation Study. Frontiers in Physiology, 2016, 7, 537.	2.8	8
164	Beyond Ventilator-induced Diaphragm Dysfunction. Anesthesiology, 2019, 131, 462-463.	2.5	8
165	Non-invasive ventilation: how far away from the ICU?. Intensive Care Medicine, 2009, 35, 192-194.	8.2	7
166	Altered cross-bridge properties in skeletal muscle dystrophies. Frontiers in Physiology, 2014, 5, 393.	2.8	7
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