

# Davide Alberto Chiumello

## List of Publications by Citations

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159  
papers

17,669  
citations

48  
h-index

132  
g-index

195  
ext. papers

21,486  
ext. citations

7.5  
avg, IF

6.71  
L-index

#	Paper	IF	Citations
159	Lung recruitment in patients with the acute respiratory distress syndrome. <i>New England Journal of Medicine</i> , <b>2006</b> , 354, 1775-86	59.2	3664
158	Baseline Characteristics and Outcomes of 1591 Patients Infected With SARS-CoV-2 Admitted to ICUs of the Lombardy Region, Italy. <i>JAMA - Journal of the American Medical Association</i> , <b>2020</b> , 323, 1574-1581	27.4	3054
157	Incidence and prognosis of intraabdominal hypertension in a mixed population of critically ill patients: a multiple-center epidemiological study. <i>Critical Care Medicine</i> , <b>2005</b> , 33, 315-22	1.4	1717
156	Prevalence of intra-abdominal hypertension in critically ill patients: a multicentre epidemiological study. <i>Intensive Care Medicine</i> , <b>2004</b> , 30, 822-9	14.5	1079
155	COVID-19 Does Not Lead to a "Typical" Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 201, 1299-1300	10.2	790
154	Lung stress and strain during mechanical ventilation for acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2008</b> , 178, 346-55	10.2	480
153	Mechanical ventilation affects local and systemic cytokines in an animal model of acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>1999</b> , 160, 109-16	10.2	433
152	Ventilator-related causes of lung injury: the mechanical power. <i>Intensive Care Medicine</i> , <b>2016</b> , 42, 1567-1575	14.5	318
151	The application of esophageal pressure measurement in patients with respiratory failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 189, 520-31	10.2	318
150	Esophageal and transpulmonary pressure in the clinical setting: meaning, usefulness and perspectives. <i>Intensive Care Medicine</i> , <b>2016</b> , 42, 1360-73	14.5	234
149	Lung opening and closing during ventilation of acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2010</b> , 181, 578-86	10.2	226
148	Lung inhomogeneity in patients with acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 189, 149-58	10.2	184
147	Decrease in PaCO <sub>2</sub> with prone position is predictive of improved outcome in acute respiratory distress syndrome. <i>Critical Care Medicine</i> , <b>2003</b> , 31, 2727-33	1.4	184
146	Noninvasive positive pressure ventilation using a helmet in patients with acute exacerbation of chronic obstructive pulmonary disease: a feasibility study. <i>Anesthesiology</i> , <b>2004</b> , 100, 16-24	4.3	161
145	Non-invasive ventilation in postoperative patients: a systematic review. <i>Intensive Care Medicine</i> , <b>2011</b> , 37, 918-29	14.5	148
144	Bench-to-bedside review: chest wall elastance in acute lung injury/acute respiratory distress syndrome patients. <i>Critical Care</i> , <b>2004</b> , 8, 350-5	10.8	134
143	Optoelectronic plethysmography in intensive care patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2000</b> , 161, 1546-52	10.2	118

142	Compartmental analysis of breathing in the supine and prone positions by optoelectronic plethysmography. <i>Annals of Biomedical Engineering</i> , <b>2001</b> , 29, 60-70	4.7	115
141	Bedside selection of positive end-expiratory pressure in mild, moderate, and severe acute respiratory distress syndrome. <i>Critical Care Medicine</i> , <b>2014</b> , 42, 252-64	1.4	109
140	Assessment of Lung Aeration and Recruitment by CT Scan and Ultrasound in Acute Respiratory Distress Syndrome Patients. <i>Critical Care Medicine</i> , <b>2018</b> , 46, 1761-1768	1.4	108
139	Sigh in supine and prone position during acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2003</b> , 167, 521-7	10.2	101
138	Physiological and quantitative CT-scan characterization of COVID-19 and typical ARDS: a matched cohort study. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 2187-2196	14.5	93
137	Noninvasive positive pressure ventilation delivered by helmet vs. standard face mask. <i>Intensive Care Medicine</i> , <b>2003</b> , 29, 1671-9	14.5	87
136	Current Concepts of ARDS: A Narrative Review. <i>International Journal of Molecular Sciences</i> , <b>2016</b> , 18,	6.3	80
135	Airway driving pressure and lung stress in ARDS patients. <i>Critical Care</i> , <b>2016</b> , 20, 276	10.8	74
134	Anatomical and functional intrapulmonary shunt in acute respiratory distress syndrome. <i>Critical Care Medicine</i> , <b>2008</b> , 36, 669-75	1.4	73
133	Effect of different inspiratory rise time and cycling off criteria during pressure support ventilation in patients recovering from acute lung injury. <i>Critical Care Medicine</i> , <b>2003</b> , 31, 2604-10	1.4	73
132	Helmet CPAP to Treat Acute Hypoxemic Respiratory Failure in Patients with COVID-19: A Management Strategy Proposal. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	72
131	Lung Recruitment Assessed by Respiratory Mechanics and Computed Tomography in Patients with Acute Respiratory Distress Syndrome. What Is the Relationship?. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2016</b> , 193, 1254-63	10.2	71
130	Nitrogen washout/washin, helium dilution and computed tomography in the assessment of end expiratory lung volume. <i>Critical Care</i> , <b>2008</b> , 12, R150	10.8	70
129	Extracorporeal life support as bridge to lung transplantation: a systematic review. <i>Critical Care</i> , <b>2015</b> , 19, 19	10.8	68
128	Opening pressures and atelectrauma in acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , <b>2017</b> , 43, 603-611	14.5	67
127	Noninvasive ventilation in chest trauma: systematic review and meta-analysis. <i>Intensive Care Medicine</i> , <b>2013</b> , 39, 1171-80	14.5	67
126	End-of-life care in the intensive care unit: Report from the Task Force of World Federation of Societies of Intensive and Critical Care Medicine. <i>Journal of Critical Care</i> , <b>2016</b> , 34, 125-30	4	66
125	Diagnostic workup for ARDS patients. <i>Intensive Care Medicine</i> , <b>2016</b> , 42, 674-685	14.5	66

124	Respiratory support in patients with acute respiratory distress syndrome: an expert opinion. <i>Critical Care</i> , <b>2017</b> , 21, 240	10.8	62
123	Severe hypoxemia: which strategy to choose. <i>Critical Care</i> , <b>2016</b> , 20, 132	10.8	62
122	The assessment of transpulmonary pressure in mechanically ventilated ARDS patients. <i>Intensive Care Medicine</i> , <b>2014</b> , 40, 1670-8	14.5	61
121	First ultrastructural autaptic findings of SARS -Cov-2 in olfactory pathways and brainstem. <i>Minerva Anestesiologica</i> , <b>2020</b> , 86, 678-679	1.9	61
120	Physiologic rationale for ventilator setting in acute lung injury/acute respiratory distress syndrome patients. <i>Critical Care Medicine</i> , <b>2003</b> , 31, S300-4	1.4	58
119	Effect of different cycling-off criteria and positive end-expiratory pressure during pressure support ventilation in patients with chronic obstructive pulmonary disease. <i>Critical Care Medicine</i> , <b>2007</b> , 35, 2547-52	1.4	54
118	What's Next After ARDS: Long-Term Outcomes. <i>Respiratory Care</i> , <b>2016</b> , 61, 689-99	2.1	53
117	Relationship between gas exchange response to prone position and lung recruitability during acute respiratory failure. <i>Intensive Care Medicine</i> , <b>2009</b> , 35, 1011-7	14.5	51
116	Reclassifying Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 197, 1586-1595	10.2	50
115	Clinical review: humidifiers during non-invasive ventilation--key topics and practical implications. <i>Critical Care</i> , <b>2012</b> , 16, 203	10.8	50
114	Lung recruitability is better estimated according to the Berlin definition of acute respiratory distress syndrome at standard 5 cm H2O rather than higher positive end-expiratory pressure: a retrospective cohort study. <i>Critical Care Medicine</i> , <b>2015</b> , 43, 781-90	1.4	48
113	Limits of normality of quantitative thoracic CT analysis. <i>Critical Care</i> , <b>2013</b> , 17, R93	10.8	48
112	Clinical review: Helmet and non-invasive mechanical ventilation in critically ill patients. <i>Critical Care</i> , <b>2013</b> , 17, 223	10.8	43
111	Compressive forces and computed tomography-derived positive end-expiratory pressure in acute respiratory distress syndrome. <i>Anesthesiology</i> , <b>2014</b> , 121, 572-81	4.3	43
110	Estimation of end-expiratory lung volume variations by optoelectronic plethysmography. <i>Critical Care Medicine</i> , <b>2001</b> , 29, 1807-11	1.4	40
109	Effects of thoraco-pelvic supports during prone position in patients with acute lung injury/acute respiratory distress syndrome: a physiological study. <i>Critical Care</i> , <b>2006</b> , 10, R87	10.8	39
108	Case of exogenous lipid pneumonia: steroid therapy and lung lavage with an emulsifier. <i>Anesthesiology</i> , <b>2006</b> , 104, 197-8	4.3	38
107	Clinical review: Lung imaging in acute respiratory distress syndrome patients--an update. <i>Critical Care</i> , <b>2013</b> , 17, 243	10.8	37

106	Lung inhomogeneities, inflation and [18F]2-fluoro-2-deoxy-D-glucose uptake rate in acute respiratory distress syndrome. <i>European Respiratory Journal</i> , <b>2016</b> , 47, 233-42	13.6	34
105	Pleural effusion in patients with acute lung injury: a CT scan study. <i>Critical Care Medicine</i> , <b>2013</b> , 41, 935-44	14.4	33
104	Decreased serum level of sphingosine-1-phosphate: a novel predictor of clinical severity in COVID-19. <i>EMBO Molecular Medicine</i> , <b>2021</b> , 13, e13424	12	33
103	The effect of different volumes and temperatures of saline on the bladder pressure measurement in critically ill patients. <i>Critical Care</i> , <b>2007</b> , 11, R82	10.8	32
102	Chest wall mechanics during pressure support ventilation. <i>Critical Care</i> , <b>2006</b> , 10, R54	10.8	29
101	Fluid administration and monitoring in ARDS: which management?. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 2252-2264	14.5	27
100	A validation study of a new nasogastric polyfunctional catheter. <i>Intensive Care Medicine</i> , <b>2011</b> , 37, 791-5	14.5	27
99	Effect of a heated humidifier during continuous positive airway pressure delivered by a helmet. <i>Critical Care</i> , <b>2008</b> , 12, R55	10.8	27
98	Global and Regional Diagnostic Accuracy of Lung Ultrasound Compared to CT in Patients With Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , <b>2019</b> , 47, 1599-1606	1.4	27
97	Declining Mortality in Patients With Acute Respiratory Distress Syndrome: An Analysis of the Acute Respiratory Distress Syndrome Network Trials. <i>Critical Care Medicine</i> , <b>2019</b> , 47, 315-323	1.4	25
96	Low-dose chest computed tomography for quantitative and visual anatomical analysis in patients with acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , <b>2014</b> , 40, 691-9	14.5	25
95	Mechanical power at a glance: a simple surrogate for volume-controlled ventilation. <i>Intensive Care Medicine Experimental</i> , <b>2019</b> , 7, 61	3.7	25
94	Long-term outcomes in survivors of acute respiratory distress syndrome ventilated in supine or prone position. <i>Intensive Care Medicine</i> , <b>2012</b> , 38, 221-9	14.5	24
93	Visual anatomical lung CT scan assessment of lung recruitability. <i>Intensive Care Medicine</i> , <b>2013</b> , 39, 66-73	14.5	24
92	The occlusion tests and end-expiratory esophageal pressure: measurements and comparison in controlled and assisted ventilation. <i>Annals of Intensive Care</i> , <b>2016</b> , 6, 13	8.9	23
91	Protective lung ventilation during general anesthesia: is there any evidence?. <i>Critical Care</i> , <b>2014</b> , 18, 210	10.8	23
90	Acute respiratory distress syndrome, the critical care paradigm: what we learned and what we forgot. <i>Current Opinion in Critical Care</i> , <b>2004</b> , 10, 272-8	3.5	23
89	Blockers in critically ill patients: from physiology to clinical evidence. <i>Critical Care</i> , <b>2015</b> , 19, 119	10.8	22

88	Effect of body mass index in acute respiratory distress syndrome. <i>British Journal of Anaesthesia</i> , <b>2016</b> , 116, 113-21	5.4	22
87	Pathophysiology and Management of Acute Respiratory Distress Syndrome in Obese Patients. <i>Seminars in Respiratory and Critical Care Medicine</i> , <b>2019</b> , 40, 40-56	3.9	21
86	Bedside calculation of mechanical power during volume- and pressure-controlled mechanical ventilation. <i>Critical Care</i> , <b>2020</b> , 24, 417	10.8	21
85	Pulmonary computed tomography and adult respiratory distress syndrome. <i>Swiss Medical Weekly</i> , <b>2005</b> , 135, 169-74	3.1	21
84	Oesophageal pressure and respiratory muscle ultrasonographic measurements indicate inspiratory effort during pressure support ventilation. <i>British Journal of Anaesthesia</i> , <b>2020</b> , 125, e148-e157	5.4	20
83	Respiratory mechanics and lung stress/strain in children with acute respiratory distress syndrome. <i>Annals of Intensive Care</i> , <b>2016</b> , 6, 11	8.9	20
82	Effect of mechanical power on intensive care mortality in ARDS patients. <i>Critical Care</i> , <b>2020</b> , 24, 246	10.8	20
81	Effects of different continuous positive airway pressure devices and periodic hyperinflations on respiratory function. <i>Critical Care Medicine</i> , <b>2001</b> , 29, 1683-9	1.4	19
80	Brainstem neuropathology in two cases of COVID-19: SARS-CoV-2 trafficking between brain and lung. <i>Journal of Neurology</i> , <b>2021</b> , 268, 4486-4491	5.5	19
79	Reduced tidal volumes and lung protective ventilatory strategies: where do we go from here?. <i>Current Opinion in Critical Care</i> , <b>2002</b> , 8, 45-50	3.5	18
78	Oxidative Stress Markers to Investigate the Effects of Hyperoxia in Anesthesia. <i>International Journal of Molecular Sciences</i> , <b>2019</b> , 20,	6.3	15
77	In vitro and in vivo evaluation of a new active heat moisture exchanger. <i>Critical Care</i> , <b>2004</b> , 8, R281-8	10.8	15
76	ERS statement on chest imaging in acute respiratory failure. <i>European Respiratory Journal</i> , <b>2019</b> , 54,	13.6	14
75	Paracetamol in fever in critically ill patients-an update. <i>Journal of Critical Care</i> , <b>2017</b> , 38, 245-252	4	14
74	Transpulmonary pressure monitoring during mechanical ventilation: a bench-to-bedside review. <i>Anaesthesiology Intensive Therapy</i> , <b>2015</b> , 47 Spec No, s27-37	1.7	14
73	Respiratory Mechanics, Lung Recruitability, and Gas Exchange in Pulmonary and Extrapulmonary Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , <b>2019</b> , 47, 792-799	1.4	14
72	Recruitment maneuvers in acute respiratory distress syndrome and during general anesthesia. <i>Minerva Anestesiologica</i> , <b>2016</b> , 82, 210-20	1.9	14
71	Interpretation of the transpulmonary pressure in the critically ill patient. <i>Annals of Translational Medicine</i> , <b>2018</b> , 6, 383	3.2	13

70	COVID-19 and ARDS: the baby lung size matters. <i>Intensive Care Medicine</i> , <b>2021</b> , 47, 133-134	14.5	13
69	Pathophysiology of COVID-19-associated acute respiratory distress syndrome. <i>Lancet Respiratory Medicine</i> , <b>2021</b> , 9, e1	35.1	13
68	Heat and moisture exchangers (HMEs) and heated humidifiers (HHs) in adult critically ill patients: a systematic review, meta-analysis and meta-regression of randomized controlled trials. <i>Critical Care</i> , <b>2017</b> , 21, 123	10.8	12
67	Fluid resuscitation in trauma patients: what should we know?. <i>Current Opinion in Critical Care</i> , <b>2014</b> , 20, 444-50	3.5	12
66	Performance of heated wire humidifiers: an in vitro study. <i>Journal of Critical Care</i> , <b>2007</b> , 22, 258-64	4	12
65	Role of total lung stress on the progression of early COVID-19 pneumonia. <i>Intensive Care Medicine</i> , <b>2021</b> , 47, 1130-1139	14.5	12
64	Body mass index and acute respiratory distress severity in patients with and without SARS-CoV-2 infection. <i>British Journal of Anaesthesia</i> , <b>2020</b> , 125, e376-e377	5.4	10
63	The Many Faces of Covid-19 at a Glance: A University Hospital Multidisciplinary Account From Milan, Italy. <i>Frontiers in Public Health</i> , <b>2020</b> , 8, 575029	6	10
62	Mortality and clinical outcomes in patients with COVID-19 pneumonia treated with non-invasive respiratory support: A rapid review. <i>Journal of Critical Care</i> , <b>2021</b> , 65, 1-8	4	10
61	Tidal volume in acute respiratory distress syndrome: how best to select it. <i>Annals of Translational Medicine</i> , <b>2017</b> , 5, 287	3.2	9
60	COVID-19 pneumonia: pathophysiology and management. <i>European Respiratory Review</i> , <b>2021</b> , 30,	9.8	9
59	Is the helmet different than the face mask in delivering noninvasive ventilation?. <i>Chest</i> , <b>2006</b> , 129, 1402-3.3	3.3	8
58	Internal clock and the surgical ICU patient. <i>Current Opinion in Anaesthesiology</i> , <b>2020</b> , 33, 177-184	2.9	8
57	A Morphological and Quantitative Analysis of Lung CT Scan in Patients With Acute Respiratory Distress Syndrome and in Cardiogenic Pulmonary Edema. <i>Journal of Intensive Care Medicine</i> , <b>2020</b> , 35, 284-292	3.3	8
56	Reply by Gattinoni to Hedenstierna , to Maley , to Fowler , to Bhatia and Mohammed, to Bos, to Koumbourlis and Motoyama, and to Haouzi. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2020</b> , 202, 628-630	10.2	7
55	Body Position Alters Mechanical Power and Respiratory Mechanics During Thoracic Surgery. <i>Anesthesia and Analgesia</i> , <b>2020</b> , 130, 391-401	3.9	7
54	Brainstem clinical and neurophysiological involvement in COVID-19. <i>Journal of Neurology</i> , <b>2021</b> , 268, 3598-3600	5.5	7
53	Hazardous mismatch between pulmonary pathogens and antibiotic treatments in COVID-19 patients. <i>British Journal of Anaesthesia</i> , <b>2020</b> , 125, e380-e382	5.4	6



52	An appraisal of respiratory system compliance in mechanically ventilated covid-19 patients. <i>Critical Care</i> , <b>2021</b> , 25, 199	10.8	6
51	Lung recruitability in ARDS H1N1 patients. <i>Intensive Care Medicine</i> , <b>2010</b> , 36, 1791-2	14.5	5
50	Anemia in the Intensive Care Unit: How Big Is the Problem?. <i>Transfusion Alternatives in Transfusion Medicine</i> , <b>2002</b> , 4, 118-120		5
49	Ultrasonographic assessment of parasternal intercostal muscles during mechanical ventilation. <i>Annals of Intensive Care</i> , <b>2020</b> , 10, 120	8.9	5
48	Determinants of the esophageal-pleural pressure relationship in humans. <i>Journal of Applied Physiology</i> , <b>2020</b> , 128, 78-86	3.7	5
47	Is blood glucose or obesity responsible for the bad prognosis of COVID-19 in obesity - diabetes?. <i>Diabetes Research and Clinical Practice</i> , <b>2020</b> , 167, 108342	7.4	5
46	Radiological pattern in ARDS patients: partitioned respiratory mechanics, gas exchange and lung recruitability. <i>Annals of Intensive Care</i> , <b>2021</b> , 11, 78	8.9	5
45	Dynamic hyperinflation and intrinsic positive end-expiratory pressure in ARDS patients. <i>Critical Care</i> , <b>2019</b> , 23, 375	10.8	5
44	Transpulmonary Pressure Meaning: Babel or Conceptual Evolution?. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2017</b> , 195, 1404-1405	10.2	4
43	CT Ventilation Imaging. <i>Lung Biology in Health and Disease</i> , <b>2005</b> , 33-61		4
42	The assessment of esophageal pressure using different devices: a validation study. <i>Minerva Anestesiologica</i> , <b>2020</b> , 86, 1047-1056	1.9	4
41	Inflammation and primary graft dysfunction after lung transplantation: CT-PET findings. <i>Minerva Anestesiologica</i> , <b>2018</b> , 84, 1169-1177	1.9	4
40	Differential Redox State and Iron Regulation in Chronic Obstructive Pulmonary Disease, Acute Respiratory Distress Syndrome and Coronavirus Disease 2019. <i>Antioxidants</i> , <b>2021</b> , 10,	7.1	4
39	Prone Position in Coronavirus Disease 2019 and Noncoronavirus Disease 2019 Acute Respiratory Distress Syndrome: An International Multicenter Observational Comparative Study. <i>Critical Care Medicine</i> , <b>2021</b> ,	1.4	4
38	Estimation of dead space fraction can be simplified in the acute respiratory distress syndrome. <i>Critical Care</i> , <b>2010</b> , 14, 195	10.8	3
37	Link between serum lipid signature and prognostic factors in COVID-19 patients. <i>Scientific Reports</i> , <b>2021</b> , 11, 21633	4.9	3
36	Gas exchange, specific lung elastance and mechanical power in the early and persistent ARDS. <i>Journal of Critical Care</i> , <b>2020</b> , 55, 42-47	4	3
35	Oesophageal manometry and gas exchange in patients with COVID-19 acute respiratory distress syndrome. <i>British Journal of Anaesthesia</i> , <b>2020</b> , 125, e437-e438	5.4	3



34	Hysteresis and Lung Recruitment in Acute Respiratory Distress Syndrome Patients: A CT Scan Study. <i>Critical Care Medicine</i> , <b>2020</b> , 48, 1494-1502	1.4	3
33	Latent class analysis to predict intensive care outcomes in Acute Respiratory Distress Syndrome: a proposal of two pulmonary phenotypes. <i>Critical Care</i> , <b>2021</b> , 25, 154	10.8	3
32	Complexity and unanswered questions in the pathophysiology of COVID-19 ARDS. <i>Intensive Care Medicine</i> , <b>2021</b> , 47, 495-496	14.5	3
31	Feasibility and Clinical Outcomes of a Step Up Noninvasive Respiratory Support Strategy in Patients with Severe COVID-19 Pneumonia. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	2
30	End-tidal to arterial PCO ratio: a bedside meter of the overall gas exchanger performance. <i>Intensive Care Medicine Experimental</i> , <b>2021</b> , 9, 21	3.7	2
29	The Acute Respiratory Distress Syndrome: Diagnosis and Management <b>2019</b> , 189-204		2
28	Spatial orientation and mechanical properties of the human trachea: a computed tomography study. <i>Respiratory Care</i> , <b>2015</b> , 60, 561-6	2.1	1
27	Reply: Different Definitions of Lung Recruitment by Computed Tomography Scan. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2016</b> , 193, 1315-6	10.2	1
26	Respirator management of sepsis-related respiratory failure. <i>Current Infectious Disease Reports</i> , <b>2009</b> , 11, 365-71	3.9	1
25	Use of Special Beds <b>2008</b> , 410-417		1
24	A complication of amiodarone infusion. <i>European Journal of Emergency Medicine</i> , <b>2004</b> , 11, 102-4	2.3	1
23	Predictors of Helmet CPAP Failure in COVID-19 Pneumonia: A Prospective, Multicenter, and Observational Cohort Study.. <i>Canadian Respiratory Journal</i> , <b>2022</b> , 2022, 1499690	2.1	1
22	Level of Diffusion and Training of Lung Ultrasound during the COVID-19 Pandemic - A National Online Italian Survey (ITALUS) from the Lung Ultrasound Working Group of the Italian Society of Anesthesia, Analgesia, Resuscitation, and Intensive Care (SIAARTI). <i>Ultraschall in Der Medizin</i> , <b>2021</b> ,	3.8	1
21	Automatic Adjustment of the Inspiratory Trigger and Cycling-Off Criteria Improved Patient-Ventilator Asynchrony During Pressure Support Ventilation. <i>Frontiers in Medicine</i> , <b>2021</b> , 8, 752508	4.9	1
20	A Physiologically Based Approach to Perioperative Management of Obese Patients <b>2006</b> , 263-273		1
19	Lung Ultrasound in the Critically Ill Patient <b>2016</b> , 55-67		1
18	Awake prone position reduces work of breathing in patients with COVID-19 ARDS supported by CPAP.. <i>Annals of Intensive Care</i> , <b>2021</b> , 11, 179	8.9	1
17	Early short course of neuromuscular blocking agents in patients with COVID-19 ARDS: a propensity score analysis.. <i>Critical Care</i> , <b>2022</b> , 26, 141	10.8	1

16	From phenotypes to black holes and back. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 1498-1499	14.5	o
15	Forecasting the burden of COVID-19 hospitalized patients during the SARS-CoV-2 second wave in Lombardy, Italy. <i>Panminerva Medica</i> , <b>2021</b> , 63, 86-87	2	o
14	Positive end-expiratory pressure in COVID-19 acute respiratory distress syndrome: the heterogeneous effects.. <i>Critical Care</i> , <b>2021</b> , 25, 431	10.8	o
13	Evidence of SARS-CoV-2 in nasal brushings and olfactory mucosa biopsies of COVID-19 patients.. <i>PLoS ONE</i> , <b>2022</b> , 17, e0266740	3.7	o
12	Reply: Lung Recruitment Assessment. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2017</b> , 195, 1276-1277	10.2	
11	Lung Imaging in ARDS <b>2017</b> , 155-171		
10	Electrical impedance tomography for chest imaging in acute respiratory failure. <i>European Respiratory Journal</i> , <b>2019</b> , 54,	13.6	
9	Ventilatory Management of ARDS After Drowning <b>2014</b> , 705-712		
8	Mechanical Ventilation in Patients with Acute Severe Asthma <b>2012</b> , 159-172		
7	Noninvasive Ventilation Outside of Intensive Care Units <b>2010</b> , 223-229		
6	Early noninvasive mechanical ventilation in acute lung injury: does it really work?. <i>Critical Care Medicine</i> , <b>2012</b> , 40, 2735; author reply 2735	1.4	
5	Electrolytes, albumin and acid base equilibrium during laparoscopic surgery. <i>Minerva Anestesiologica</i> , <b>2021</b> , 87, 1300-1308	1.9	
4	VAP (Ventilator-Associated Pneumonia) <b>2012</b> , 145-158		
3	Postoperative Respiratory Failure after Major Abdominal Surgery: Definition, Diagnosis and Prevention <b>2014</b> , 43-60		
2	Lights and Shadows on Aerosol Therapy in Mechanically Ventilated Patients <b>2014</b> , 61-79		
1	Reverse trigger in COVID-19 ARDS. <i>Minerva Anestesiologica</i> , <b>2021</b> , 87, 1271-1272	1.9	