

Giacomo Bellani

List of Publications by Citations

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

198
papers

9,682
citations

42
h-index

96
g-index

218
ext. papers

13,053
ext. citations

7.4
avg, IF

5.98
L-index

#	Paper	IF	Citations
198	Epidemiology, Patterns of Care, and Mortality for Patients With Acute Respiratory Distress Syndrome in Intensive Care Units in 50 Countries. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 315, 788-800	27.4	2131
197	Pentraxin 3 in acute respiratory distress syndrome: an early marker of severity. <i>Critical Care Medicine</i> , 2008 , 36, 2302-8	1.4	658
196	Risk Factors Associated With Mortality Among Patients With COVID-19 in Intensive Care Units in Lombardy, Italy. <i>JAMA Internal Medicine</i> , 2020 , 180, 1345-1355	11.5	604
195	Self-organized patchiness in asthma as a prelude to catastrophic shifts. <i>Nature</i> , 2005 , 434, 777-82	50.4	418
194	The application of esophageal pressure measurement in patients with respiratory failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 520-31	10.2	318
193	Pathophysiology of COVID-19-associated acute respiratory distress syndrome: a multicentre prospective observational study. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 1201-1208	35.1	293
192	Noninvasive Ventilation of Patients with Acute Respiratory Distress Syndrome. Insights from the LUNG SAFE Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 67-77	10.2	269
191	Physiologic Effects of High-Flow Nasal Cannula in Acute Hypoxemic Respiratory Failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 1207-1215	10.2	240
190	Esophageal and transpulmonary pressure in the clinical setting: meaning, usefulness and perspectives. <i>Intensive Care Medicine</i> , 2016 , 42, 1360-73	14.5	234
189	Feasibility and physiological effects of prone positioning in non-intubated patients with acute respiratory failure due to COVID-19 (PRON-COVID): a prospective cohort study. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 765-774	35.1	223
188	Potentially modifiable factors contributing to outcome from acute respiratory distress syndrome: the LUNG SAFE study. <i>Intensive Care Medicine</i> , 2016 , 42, 1865-1876	14.5	149
187	Lung regional metabolic activity and gas volume changes induced by tidal ventilation in patients with acute lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 183, 1193-9	10.2	144
186	A prospective international observational prevalence study on prone positioning of ARDS patients: the APRONET (ARDS Prone Position Network) study. <i>Intensive Care Medicine</i> , 2018 , 44, 22-37	14.5	141
185	Effect of prone position on regional shunt, aeration, and perfusion in experimental acute lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 172, 480-7	10.2	139
184	Prone positioning improves oxygenation in spontaneously breathing nonintubated patients with hypoxemic acute respiratory failure: A retrospective study. <i>Journal of Critical Care</i> , 2015 , 30, 1390-4	4	134
183	Lungs of patients with acute respiratory distress syndrome show diffuse inflammation in normally aerated regions: a [18F]-fluoro-2-deoxy-D-glucose PET/CT study. <i>Critical Care Medicine</i> , 2009 , 37, 2216-22	1.4	134
182	Estimation of patient's inspiratory effort from the electrical activity of the diaphragm. <i>Critical Care Medicine</i> , 2013 , 41, 1483-91	1.4	116

181	Persisting high levels of plasma pentraxin 3 over the first days after severe sepsis and septic shock onset are associated with mortality. <i>Intensive Care Medicine</i> , 2010 , 36, 621-9	14.5	114
180	Head helmet versus face mask for non-invasive continuous positive airway pressure: a physiological study. <i>Intensive Care Medicine</i> , 2003 , 29, 1680-7	14.5	102
179	Definition and epidemiology of acute respiratory distress syndrome. <i>Annals of Translational Medicine</i> , 2017 , 5, 282	3.2	99
178	Regional gas exchange and cellular metabolic activity in ventilator-induced lung injury. <i>Anesthesiology</i> , 2007 , 106, 723-35	4.3	90
177	Patient-ventilator interaction in ARDS patients with extremely low compliance undergoing ECMO: a novel approach based on diaphragm electrical activity. <i>Intensive Care Medicine</i> , 2013 , 39, 282-91	14.5	83
176	Topographic distribution of tidal ventilation in acute respiratory distress syndrome: effects of positive end-expiratory pressure and pressure support. <i>Critical Care Medicine</i> , 2013 , 41, 1664-73	1.4	76
175	Angiotensin-(1-7) improves oxygenation, while reducing cellular infiltrate and fibrosis in experimental Acute Respiratory Distress Syndrome. <i>Intensive Care Medicine Experimental</i> , 2015 , 3, 44	3.7	70
174	Do spontaneous and mechanical breathing have similar effects on average transpulmonary and alveolar pressure? A clinical crossover study. <i>Critical Care</i> , 2016 , 20, 142	10.8	67
173	Measurement of pulmonary edema in patients with acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2005 , 33, 2547-54	1.4	65
172	Hospital-Acquired Infections in Critically Ill Patients With COVID-19. <i>Chest</i> , 2021 , 160, 454-465	5.3	64
171	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> , 2017 , 5, 627-638	35.1	63
170	Lung- and Diaphragm-Protective Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 950-961	10.2	61
169	Relation between shunt, aeration, and perfusion in experimental acute lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008 , 177, 292-300	10.2	61
168	Control of Respiratory Drive and Effort in Extracorporeal Membrane Oxygenation Patients Recovering from Severe Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2016 , 125, 159-67	4.3	61
167	Effect of Intravenous Interferon β 1a on Death and Days Free From Mechanical Ventilation Among Patients With Moderate to Severe Acute Respiratory Distress Syndrome: A Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 323, 725-733	27.4	59
166	Respiratory pattern during neurally adjusted ventilatory assist in acute respiratory failure patients. <i>Intensive Care Medicine</i> , 2012 , 38, 230-9	14.5	57
165	Lung injury and recovery in a murine model of unilateral acid aspiration: functional, biochemical, and morphologic characterization. <i>Anesthesiology</i> , 2008 , 108, 1037-46	4.3	54
164	Epidemiology and patterns of tracheostomy practice in patients with acute respiratory distress syndrome in ICUs across 50 countries. <i>Critical Care</i> , 2018 , 22, 195	10.8	53

163	Tight glyceic control may favor fibrinolysis in patients with sepsis. <i>Critical Care Medicine</i> , 2009 , 37, 424-431	52
162	Bedside assessment of the effects of positive end-expiratory pressure on lung inflation and recruitment by the helium dilution technique and electrical impedance tomography. <i>Intensive Care Medicine</i> , 2016 , 42, 1576-1587	14.5 52
161	Intubation Practices and Adverse Peri-intubation Events in Critically Ill Patients From 29 Countries. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 325, 1164-1172	27.4 51
160	Lung volume in mechanically ventilated patients: measurement by simplified helium dilution compared to quantitative CT scan. <i>Intensive Care Medicine</i> , 2004 , 30, 282-289	14.5 50
159	Immunocompromised patients with acute respiratory distress syndrome: secondary analysis of the LUNG SAFE database. <i>Critical Care</i> , 2018 , 22, 157	10.8 49
158	Noninvasive Ventilatory Support of Patients with COVID-19 outside the Intensive Care Units (WARD-COVID). <i>Annals of the American Thoracic Society</i> , 2021 , 18, 1020-1026	4.7 48
157	Clinical strategies for implementing lung and diaphragm-protective ventilation: avoiding insufficient and excessive effort. <i>Intensive Care Medicine</i> , 2020 , 46, 2314-2326	14.5 44
156	Is helmet CPAP first line pre-hospital treatment of presumed severe acute pulmonary edema?. <i>Intensive Care Medicine</i> , 2009 , 35, 656-662	14.5 42
155	Plateau and driving pressure in the presence of spontaneous breathing. <i>Intensive Care Medicine</i> , 2019 , 45, 97-98	14.5 39
154	Spontaneous Breathing in Early Acute Respiratory Distress Syndrome: Insights From the Large Observational Study to UNDERstand the Global Impact of Severe Acute Respiratory Failure Study. <i>Critical Care Medicine</i> , 2019 , 47, 229-238	1.4 38
153	Effects of Sigh on Regional Lung Strain and Ventilation Heterogeneity in Acute Respiratory Failure Patients Undergoing Assisted Mechanical Ventilation. <i>Critical Care Medicine</i> , 2015 , 43, 1823-31	1.4 38
152	Bedside selection of positive end-expiratory pressure by electrical impedance tomography in hypoxemic patients: a feasibility study. <i>Annals of Intensive Care</i> , 2017 , 7, 76	8.9 37
151	Resolved versus confirmed ARDS after 24h: insights from the LUNG SAFE study. <i>Intensive Care Medicine</i> , 2018 , 44, 564-577	14.5 36
150	Alveolar pentraxin 3 as an early marker of microbiologically confirmed pneumonia: a threshold-finding prospective observational study. <i>Critical Care</i> , 2014 , 18, 562	10.8 36
149	Driving Pressure Is Associated with Outcome during Assisted Ventilation in Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2019 , 131, 594-604	4.3 36
148	Short-term evaluation of sedation with sevoflurane administered by the anesthetic conserving device in critically ill patients. <i>Intensive Care Medicine</i> , 2009 , 35, 1240-6	14.5 35
147	The LUNG SAFE study: a presentation of the prevalence of ARDS according to the Berlin Definition!. <i>Critical Care</i> , 2016 , 20, 268	10.8 34
146	Tight glyceic control does not affect asymmetric-dimethylarginine in septic patients. <i>Intensive Care Medicine</i> , 2008 , 34, 1843-50	14.5 32

145	Etiologies, diagnostic work-up and outcomes of acute respiratory distress syndrome with no common risk factor: a prospective multicenter study. <i>Annals of Intensive Care</i> , 2017 , 7, 69	8.9	31
144	Role of absolute lung volume to assess alveolar recruitment in acute respiratory distress syndrome patients. <i>Critical Care Medicine</i> , 2010 , 38, 1300-7	1.4	30
143	Imaging in acute lung injury and acute respiratory distress syndrome. <i>Current Opinion in Critical Care</i> , 2012 , 18, 29-34	3.5	27
142	Elevated plasma and alveolar levels of soluble receptor for advanced glycation endproducts are associated with severity of lung dysfunction in ARDS patients. <i>Tohoku Journal of Experimental Medicine</i> , 2010 , 222, 105-12	2.4	27
141	Clinical assessment of auto-positive end-expiratory pressure by diaphragmatic electrical activity during pressure support and neurally adjusted ventilatory assist. <i>Anesthesiology</i> , 2014 , 121, 563-71	4.3	27
140	Emerging pharmacological therapies for ARDS: COVID-19 and beyond. <i>Intensive Care Medicine</i> , 2020 , 46, 2265-2283	14.5	27
139	Acute ischaemic stroke: challenges for the intensivist. <i>Intensive Care Medicine</i> , 2019 , 45, 1177-1189	14.5	26
138	The intensive care medicine research agenda for airways, invasive and noninvasive mechanical ventilation. <i>Intensive Care Medicine</i> , 2017 , 43, 1352-1365	14.5	26
137	Measurement of end-expiratory lung volume by oxygen washin-washout in controlled and assisted mechanically ventilated patients. <i>Intensive Care Medicine</i> , 2008 , 34, 2235-40	14.5	26
136	Helmet CPAP to treat hypoxic pneumonia outside the ICU: an observational study during the COVID-19 outbreak. <i>Critical Care</i> , 2021 , 25, 80	10.8	26
135	Tidal changes on CT and progression of ARDS. <i>Thorax</i> , 2017 , 72, 981-989	7.3	25
134	Assessing effort and work of breathing. <i>Current Opinion in Critical Care</i> , 2014 , 20, 352-8	3.5	25
133	Increase of oxygen consumption during a progressive decrease of ventilatory support is lower in patients failing the trial in comparison with those who succeed. <i>Anesthesiology</i> , 2010 , 113, 378-85	4.3	25
132	Design of functionalized gold nanoparticle probes for computed tomography imaging. <i>Contrast Media and Molecular Imaging</i> , 2016 , 11, 405-414	3.2	24
131	Prone Positioning during Venovenous Extracorporeal Membrane Oxygenation in Acute Respiratory Distress Syndrome. A Multicenter Cohort Study and Propensity-matched Analysis. <i>Annals of the American Thoracic Society</i> , 2021 , 18, 495-501	4.7	24
130	Successful use of neurally adjusted ventilatory assist in a patient with extremely low respiratory system compliance undergoing ECMO. <i>Intensive Care Medicine</i> , 2011 , 37, 166-7	14.5	23
129	Looking closer at acute respiratory distress syndrome: the role of advanced imaging techniques. <i>Current Opinion in Critical Care</i> , 2017 , 23, 30-37	3.5	22
128	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. <i>Critical Care Medicine</i> , 2019 , 47, 1216-1225	1.4	22

127	Measurement of Diaphragmatic Electrical Activity by Surface Electromyography in Intubated Subjects and Its Relationship With Inspiratory Effort. <i>Respiratory Care</i> , 2018 , 63, 1341-1349	2.1	22
126	Outcomes of Patients Presenting with Mild Acute Respiratory Distress Syndrome: Insights from the LUNG SAFE Study. <i>Anesthesiology</i> , 2019 , 130, 263-283	4.3	21
125	Missed or delayed diagnosis of ARDS: a common and serious problem. <i>Intensive Care Medicine</i> , 2020 , 46, 1180-1183	14.5	19
124	Time course of metabolic activity and cellular infiltration in a murine model of acid-induced lung injury. <i>Intensive Care Medicine</i> , 2012 , 38, 694-701	14.5	19
123	Regional distribution of air trapping in chronic obstructive pulmonary disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 1466-7	10.2	19
122	Gold nanoparticles obtained by aqueous digestive ripening: Their application as X-ray contrast agents. <i>Journal of Colloid and Interface Science</i> , 2015 , 439, 28-33	9.3	18
121	The Randomized Educational Acute Respiratory Distress Syndrome Diagnosis Study: A Trial to Improve the Radiographic Diagnosis of Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2018 , 46, 743-748	1.4	18
120	Demographics, management and outcome of females and males with acute respiratory distress syndrome in the LUNG SAFE prospective cohort study. <i>European Respiratory Journal</i> , 2019 , 54,	13.6	18
119	Measurement of pressure-time product during spontaneous assisted breathing by rapid interrupter technique. <i>Anesthesiology</i> , 2007 , 106, 484-90	4.3	18
118	Changes in the excitability of the H-reflex in wrist flexors related to the prone or supine position of the forearm in man. <i>Neuroscience Letters</i> , 2000 , 295, 105-8	3.3	18
117	Tracheal secretion management in the mechanically ventilated patient: comparison of standard assessment and an acoustic secretion detector. <i>Respiratory Care</i> , 2011 , 56, 596-603	2.1	17
116	Respiratory mechanics in patients with acute respiratory distress syndrome. <i>Annals of Translational Medicine</i> , 2018 , 6, 382	3.2	17
115	Respiratory mechanics to understand ARDS and guide mechanical ventilation. <i>Physiological Measurement</i> , 2017 , 38, R280-H303	2.9	16
114	Relation between peak and integral of the diaphragm electromyographic activity at different levels of support during weaning from mechanical ventilation: a physiologic study. <i>Journal of Critical Care</i> , 2015 , 30, 7-12	4	15
113	Noninvasive respiratory support outside the intensive care unit for acute respiratory failure related to coronavirus-19 disease: a systematic review and meta-analysis. <i>Critical Care</i> , 2021 , 25, 268	10.8	15
112	Cerebrovascular Autoregulation Monitoring in the Management of Adult Severe Traumatic Brain Injury: A Delphi Consensus of Clinicians. <i>Neurocritical Care</i> , 2021 , 34, 731-738	3.3	15
111	Patterns of Use of Adjunctive Therapies in Patients With Early Moderate to Severe ARDS: Insights From the LUNG SAFE Study. <i>Chest</i> , 2020 , 157, 1497-1505	5.3	14
110	Nonconventional support of respiration. <i>Current Opinion in Critical Care</i> , 2011 , 17, 527-32	3.5	14

109	Imaging of lung inflammation during severe influenza A: H1N1. <i>Intensive Care Medicine</i> , 2010 , 36, 717-8	14.5	14
108	Identifying associations between diabetes and acute respiratory distress syndrome in patients with acute hypoxemic respiratory failure: an analysis of the LUNG SAFE database. <i>Critical Care</i> , 2018 , 22, 268	10.8	14
107	Positron emission tomography in ARDS: a new look at an old syndrome. <i>Minerva Anestesiologica</i> , 2011 , 77, 439-47	1.9	14
106	Airway pressure and flow monitoring. <i>Current Opinion in Critical Care</i> , 2010 , 16, 255-60	3.5	13
105	Occurrence of pendelluft under pressure support ventilation in patients who failed a spontaneous breathing trial: an observational study. <i>Annals of Intensive Care</i> , 2020 , 10, 39	8.9	13
104	Dynamic bedside assessment of the physiologic effects of prone position in acute respiratory distress syndrome patients by electrical impedance tomography. <i>Minerva Anestesiologica</i> , 2020 , 86, 1057-1064	1.9	13
103	Quantification of Dynamic [18F]FDG Pet Studies in Acute Lung Injury. <i>Molecular Imaging and Biology</i> , 2016 , 18, 143-52	3.8	12
102	Death determined by neurological criteria: the next steps. <i>Intensive Care Medicine</i> , 2017 , 43, 1383-1385	14.5	12
101	Continued under-recognition of acute respiratory distress syndrome after the Berlin definition: what is the solution?. <i>Current Opinion in Critical Care</i> , 2017 , 23, 10-17	3.5	12
100	Hemoglobin trigger and approach to red blood cell transfusions during veno-venous extracorporeal membrane oxygenation: the international TRAIN-ECMO survey. <i>Perfusion (United Kingdom)</i> , 2019 , 34, 39-48	1.9	12
99	Remdesivir Use in Patients Requiring Mechanical Ventilation due to COVID-19. <i>Open Forum Infectious Diseases</i> , 2020 , 7, ofaa481	1	12
98	ABO blood types and major outcomes in patients with acute hypoxaemic respiratory failure: A multicenter retrospective cohort study. <i>PLoS ONE</i> , 2018 , 13, e0206403	3.7	12
97	Unilateral acid aspiration augments the effects of ventilator lung injury in the contralateral lung. <i>Anesthesiology</i> , 2013 , 119, 642-51	4.3	11
96	Outcome of acute hypoxaemic respiratory failure: insights from the LUNG SAFE Study. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	11
95	Development of a Critical Care Response - Experiences from Italy During the Coronavirus Disease 2019 Pandemic. <i>Anesthesiology Clinics</i> , 2021 , 39, 265-284	2.3	11
94	Enteral versus intravenous approach for the sedation of critically ill patients: a randomized and controlled trial. <i>Critical Care</i> , 2019 , 23, 3	10.8	11
93	CT image segmentation for inflamed and fibrotic lungs using a multi-resolution convolutional neural network. <i>Scientific Reports</i> , 2021 , 11, 1455	4.9	11
92	Non-Pharmacological Interventions to Prevent Ventilator-Associated Pneumonia: A Literature Review. <i>Respiratory Care</i> , 2019 , 64, 1586-1595	2.1	10

91	Hyperoxemia and excess oxygen use in early acute respiratory distress syndrome: insights from the LUNG SAFE study. <i>Critical Care</i> , 2020 , 24, 125	10.8	10
90	Continuous Renal Replacement Therapy in Venovenous Extracorporeal Membrane Oxygenation: A Retrospective Study on Regional Citrate Anticoagulation. <i>ASAIO Journal</i> , 2020 , 66, 332-338	3.6	10
89	Early Clinical Experience in Using Helmet Continuous Positive Airway Pressure and High-Flow Nasal Cannula in Overweight and Obese Patients With Acute Hypoxemic Respiratory Failure From Coronavirus Disease 2019 2020 , 2, e0216		10
88	Coronary and total thoracic calcium scores predict mortality and provides pathophysiologic insights in COVID-19 patients. <i>Journal of Cardiovascular Computed Tomography</i> , 2021 , 15, 421-430	2.8	10
87	Incidence of Acute Respiratory Distress Syndrome--Reply. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 316, 347	27.4	8
86	An improved Boussignac device for the delivery of non-invasive CPAP: the SUPER-Boussignac. <i>Intensive Care Medicine</i> , 2009 , 35, 1094-9	14.5	8
85	Comparison of Two Approaches to Estimate Driving Pressure during Assisted Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 1595-1598	10.2	8
84	Paradoxical Effect of Chest Wall Compression on Respiratory System Compliance: A Multicenter Case Series of Patients With ARDS, With Multimodal Assessment. <i>Chest</i> , 2021 , 160, 1335-1339	5.3	8
83	Intraperitoneal adoptive transfer of mesenchymal stem cells enhances recovery from acid aspiration acute lung injury in mice. <i>Intensive Care Medicine Experimental</i> , 2017 , 5, 13	3.7	7
82	Neurological assessment with validated tools in general ICU: multicenter, randomized, before and after, pragmatic study to evaluate the effectiveness of an e-learning platform for continuous medical education. <i>Minerva Anestesiologica</i> , 2017 , 83, 145-154	1.9	7
81	Impact of clinical and subclinical coronary artery disease as assessed by coronary artery calcium in COVID-19. <i>Atherosclerosis</i> , 2021 , 328, 136-143	3.1	7
80	Six-Month Pulmonary Impairment after Severe COVID-19: A Prospective, Multicentre Follow-Up Study. <i>Respiration</i> , 2021 , 100, 1078-1087	3.7	7
79	Angiotensin-(1-7) exerts a protective action in a rat model of ventilator-induced diaphragmatic dysfunction. <i>Intensive Care Medicine Experimental</i> , 2019 , 7, 8	3.7	6
78	Effect of Face Mask Design and Bias Flow on Rebreathing During Noninvasive Ventilation. <i>Respiratory Care</i> , 2019 , 64, 793-800	2.1	6
77	Patterns and Impact of Arterial CO Management in Patients With Acute Respiratory Distress Syndrome: Insights From the LUNG SAFE Study. <i>Chest</i> , 2020 , 158, 1967-1982	5.3	6
76	Assisted mechanical ventilation promotes recovery of diaphragmatic thickness in critically ill patients: a prospective observational study. <i>Critical Care</i> , 2020 , 24, 85	10.8	6
75	The Ratio of Inspiratory Pressure Over Electrical Activity of the Diaphragm Remains Stable During ICU Stay and is not Related to Clinical Outcome. <i>Respiratory Care</i> , 2016 , 61, 495-501	2.1	6
74	Pulmonary surfactant synthesis after unilateral lung injury in mice. <i>Journal of Applied Physiology</i> , 2014 , 116, 210-5	3.7	6

73	Clinical value of electrical impedance tomography (EIT) in the management of patients with acute respiratory failure: a single centre experience. <i>Physiological Measurement</i> , 2021 , 42,	2.9	6
72	Cardiopulmonary Resuscitation-associated Lung Edema (CRALE). A Translational Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 203, 447-457	10.2	6
71	Renin-angiotensin system in ventilator-induced diaphragmatic dysfunction: Potential protective role of Angiotensin (1-7). <i>Medical Hypotheses</i> , 2016 , 94, 132-7	3.8	5
70	Measurement of endotracheal tube secretions volume by micro computed tomography (MicroCT) scan: an experimental and clinical study. <i>BMC Anesthesiology</i> , 2014 , 14, 22	2.4	5
69	The effects of exogenous surfactant treatment in a murine model of two-hit lung injury. <i>Anesthesia and Analgesia</i> , 2015 , 120, 381-8	3.9	5
68	Lung imaging during acute respiratory distress syndrome: CT- and PET-scanning. <i>Trends in Anaesthesia and Critical Care</i> , 2011 , 1, 203-209	0.4	5
67	Validation and utility of ARDS subphenotypes identified by machine-learning models using clinical data: an observational, multicohort, retrospective analysis.. <i>Lancet Respiratory Medicine</i> , 2022 ,	35.1	5
66	Time course of risk factors associated with mortality of 1260 critically ill patients with COVID-19 admitted to 24 Italian intensive care units. <i>Intensive Care Medicine</i> , 2021 , 47, 995-1008	14.5	5
65	Levosimendan to facilitate weaning from cardiorespiratory support in critically ill patients: current evidence and future directions. <i>Minerva Anestesiologica</i> , 2020 , 86, 645-651	1.9	5
64	Pressure support ventilation, sigh adjunct to pressure support ventilation, and neurally adjusted ventilatory assist in infants after cardiac surgery: A physiologic crossover randomized study. <i>Pediatric Pulmonology</i> , 2019 , 54, 1078-1086	3.5	4
63	A Calibration Technique for the Estimation of Lung Volumes in Nonintubated Subjects by Electrical Impedance Tomography. <i>Respiration</i> , 2019 , 98, 189-197	3.7	4
62	The use of a novel cleaning closed suction system reduces the volume of secretions within the endotracheal tube as assessed by micro-computed tomography: a randomized clinical trial. <i>Annals of Intensive Care</i> , 2015 , 5, 57	8.9	4
61	The effect of a single bolus of exogenous surfactant on lung compliance persists until two weeks after treatment in a model of acid aspiration pneumonitis. <i>Pulmonary Pharmacology and Therapeutics</i> , 2011 , 24, 141-6	3.5	4
60	Which drugs for the control of fever in critical patients. <i>Current Drug Targets</i> , 2009 , 10, 881-6	3	4
59	Effect of percutaneous tracheostomy on gas exchange in hypoxemic and non-hypoxemic mechanically ventilated patients. <i>Respiratory Care</i> , 2013 , 58, 482-6	2.1	4
58	The hidden interplay between sex and COVID-19 mortality: the role of cardiovascular calcification. <i>GeroScience</i> , 2021 , 43, 2215-2229	8.9	4
57	Effects of Variable Pressure Support Ventilation on Regional Homogeneity and Aeration. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, e27-e28	10.2	3
56	Sevoflurane improves respiratory mechanics and gas exchange in a case series of infants with severe bronchiolitis-induced acute respiratory distress syndrome. <i>Clinical Case Reports (discontinued)</i> , 2018 , 6, 920-925	0.7	3

55	A template subtraction method for the removal of cardiogenic oscillations on esophageal pressure signals. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference, 2017, 2017, 2235-2238</i>	0.9	3
54	Transpulmonary pressure at functional residual capacity. <i>Critical Care Medicine, 2013, 41, e9</i>	1.4	3
53	Nitric oxide: Clinical applications in critically ill patients.. <i>Nitric Oxide - Biology and Chemistry, 2022,</i>	5	3
52	Noninvasive mechanical ventilation in early acute respiratory distress syndrome. <i>Polish Archives of Internal Medicine, 2017, 127, 614-620</i>	1.9	3
51	Difference between prolonged versus standard duration of prone position in COVID-19 patients: a retrospective study. <i>Minerva Anestesiologica, 2021, 87, 1383-1385</i>	1.9	3
50	Reliability of cutaneous landmarks for the catheter length assessment during peripherally inserted central catheter insertion: A retrospective observational study. <i>Journal of Vascular Access, 2020, 21, 917-922</i>	1.8	3
49	Rodin® Thinker: An Alternative Position in Awake Patients with COVID-19. <i>American Journal of Respiratory and Critical Care Medicine, 2021, 204, 728-730</i>	10.2	3
48	Helmet Continuous Positive Airway Pressure: Theory and Technology 2010, 7-12		2
47	Geoeconomic variations in epidemiology, ventilation management, and outcomes in invasively ventilated intensive care unit patients without acute respiratory distress syndrome: a pooled analysis of four observational studies.. <i>The Lancet Global Health, 2021,</i>	13.6	2
46	Direction and Magnitude of Change in Plateau From Peak Pressure During Inspiratory Holds Can Identify the Degree of Spontaneous Effort and Elastic Workload in Ventilated Patients. <i>Critical Care Medicine, 2021, 49, 517-526</i>	1.4	2
45	Water content of delivered gases during Helmet Continuous Positive Airway Pressure in healthy subjects. <i>Acta Biomedica, 2019, 90, 65-71</i>	3.2	2
44	Hexarelin modulates lung mechanics, inflammation, and fibrosis in acute lung injury. <i>Drug Target Insights, 2021, 15, 26-33</i>	3.4	2
43	Helmet CPAP to Treat Hypoxic Pneumonia Outside the ICU: An Observational Study During the COVID-19 Outbreak		2
42	Plateau Pressure during Pressure Control Ventilation. <i>AboutOpen, 2019, 6, 76-77</i>	0.3	2
41	Death in hospital following ICU discharge: insights from the LUNG SAFE study. <i>Critical Care, 2021, 25, 144</i>	10.8	2
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