

Giacomo Bellani

List of Publications by Year in Descending Order

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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	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
197	Individualized positive end-expiratory pressure guided by end-expiratory lung volume in early acute respiratory distress syndrome: study protocol for the multicenter, randomized IPERPEEP trial.. <i>Trials</i> , 2022 , 23, 63	2.8	
196	Nitric oxide: Clinical applications in critically ill patients.. <i>Nitric Oxide - Biology and Chemistry</i> , 2022 ,	5	3
195	Prone positioning during venovenous extracorporeal membrane oxygenation for acute respiratory distress syndrome: a pooled individual patient data analysis.. <i>Critical Care</i> , 2022 , 26, 8	10.8	1
194	Vignettes: Assisted Mechanical Ventilation 2022 , 417-428		
193	Vignettes: Controlled Mechanical Ventilation 2022 , 405-415		
192	PEEP Setting in ARDS 2022 , 187-197		
191	Monitoring the Patient During Assisted Ventilation 2022 , 61-73		
190	One-year pulmonary impairment after severe COVID-19: a prospective, multicenter follow-up study.. <i>Respiratory Research</i> , 2022 , 23, 65	7.3	2
189	Accessory and Expiratory Muscles Activation During Spontaneous Breathing Trial: A Physiological Study by Surface Electromyography.. <i>Frontiers in Medicine</i> , 2022 , 9, 814219	4.9	0
188	External chest-wall compression in prolonged COVID-19 ARDS with low-compliance: a physiological study.. <i>Annals of Intensive Care</i> , 2022 , 12, 35	8.9	0
187	Goeconomic 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</i> , 2021 ,	13.6	2
186	Outcome of acute hypoxaemic respiratory failure: insights from the LUNG SAFE Study. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	11
185	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</i> , 2021 , 49, 517-526	1.4	2
184	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
183	Hexarelin modulates lung mechanics, inflammation, and fibrosis in acute lung injury. <i>Drug Target Insights</i> , 2021 , 15, 26-33	3.4	2
182	Reliability of plateau pressure during patient-triggered assisted ventilation. Analysis of a multicentre database.. <i>Journal of Critical Care</i> , 2021 , 68, 96-103	4	0

181	A novel Venturi system to generate high flow with titratable FiO ₂ . <i>AboutOpen</i> , 2021 , 8, 88-91	0.3	0
180	Impact of lung structure on airway opening index during mechanical versus manual chest compressions in a porcine model of cardiac arrest. <i>Respiratory Physiology and Neurobiology</i> , 2021 , 296, 103807	2.8	0
179	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
178	Death in hospital following ICU discharge: insights from the LUNG SAFE study. <i>Critical Care</i> , 2021 , 25, 144	10.8	2
177	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
176	Albumin replacement therapy in immunocompromised patients with sepsis - Secondary analysis of the ALBIOS trial. <i>Journal of Critical Care</i> , 2021 , 63, 83-91	4	0
175	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
174	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
173	Difference between prolonged versus standard duration of prone position in COVID-19 patients: a retrospective study. <i>Minerva Anestesiologica</i> , 2021 , 87, 1383-1385	1.9	3
172	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
171	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
170	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
169	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
168	A brief airway occlusion is sufficient to measure the patient's inspiratory effort/electrical activity of the diaphragm index (PEI). <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 35, 183-188	2	2
167	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
166	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
165	Role of Complete Duplex Ultrasound to Diagnose Deep Vein Thrombosis in COVID-19 Critical Patients.. <i>Journal for Vascular Ultrasound</i> , 2021 , 45, 11-14	0.1	
164	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

163	The hidden interplay between sex and COVID-19 mortality: the role of cardiovascular calcification. <i>GeroScience</i> , 2021 , 43, 2215-2229	8.9	4
162	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
161	Six-Month Pulmonary Impairment after Severe COVID-19: A Prospective, Multicentre Follow-Up Study. <i>Respiration</i> , 2021 , 100, 1078-1087	3.7	7
160	Hospital-Acquired Infections in Critically Ill Patients With COVID-19. <i>Chest</i> , 2021 , 160, 454-465	5.3	64
159	Intubation Practices and Adverse Peri-intubation Events in Critically Ill Patients-Reply. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 326, 569	27.4	
158	Reply to He. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 204, 741-743	10.2	1
157	The use of head helmets to deliver noninvasive ventilatory support: a comprehensive review of technical aspects and clinical findings. <i>Critical Care</i> , 2021 , 25, 327	10.8	2
156	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
155	Reply: Can We Reliably Predict the Failure of Noninvasive Ventilation in COVID-19-associated Acute Hypoxemic Respiratory Failure?. <i>Annals of the American Thoracic Society</i> , 2021 , 18, 1595-1596	4.7	2
154	Rodin® Thinker: An Alternative Position in Awake Patients with COVID-19. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 204, 728-730	10.2	3
153	Helmet and face mask for non-invasive respiratory support in patients with acute hypoxemic respiratory failure: A retrospective study. <i>Journal of Critical Care</i> , 2021 , 65, 56-61	4	1
152	Bag valve resuscitator versus Mapleson C circuit during manual ventilation: A bench top study.. <i>Intensive and Critical Care Nursing</i> , 2021 , 103186	3.1	
151	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
150	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
149	Lung- and Diaphragm-Protective Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 950-961	10.2	61
148	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
147	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
146	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

145	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
144	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
143	Missed or delayed diagnosis of ARDS: a common and serious problem. <i>Intensive Care Medicine</i> , 2020 , 46, 1180-1183	14.5	19
142	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
141	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
140	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
139	JMV5656, a short synthetic derivative of TLQP-21, alleviates acid-induced lung injury and fibrosis in mice. <i>Pulmonary Pharmacology and Therapeutics</i> , 2020 , 62, 101916	3.5	0
138	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
137	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
136	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
135	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
134	Emerging pharmacological therapies for ARDS: COVID-19 and beyond. <i>Intensive Care Medicine</i> , 2020 , 46, 2265-2283	14.5	27
133	Remdesivir Use in Patients Requiring Mechanical Ventilation due to COVID-19. <i>Open Forum Infectious Diseases</i> , 2020 , 7, ofaa481	1	12
132	Hyperosmolar Agents for TBI: All Are Equal, But Some Are More Equal Than Others?. <i>Neurocritical Care</i> , 2020 , 33, 613-614	3.3	1
131	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
130	Event-triggered averaging of electrical impedance tomography (EIT) respiratory waveforms as compared to low-pass filtering for removal of cardiac related impedance changes. <i>Journal of Clinical Monitoring and Computing</i> , 2020 , 34, 553-558	2	2
129	Reliability of cutaneous landmarks for the catheter length assessment during peripherally inserted central catheter insertion: A retrospective observational study. <i>Journal of Vascular Access</i> , 2020 , 21, 917-922	1.8	3
128	The identification of needs and development of best practice guidance for the psychological support of frontline healthcare workers during and after COVID-19: A protocol for the FLoWS project. <i>HRB Open Research</i> , 2020 , 3, 54	1.2	1

127	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
126	Non-Pharmacological Interventions to Prevent Ventilator-Associated Pneumonia: A Literature Review. <i>Respiratory Care</i> , 2019 , 64, 1586-1595	2.1	10
125	CO Oscillation during Cardiopulmonary Resuscitation: The Role of Respiratory System Compliance. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 1290-1291	10.2	
124	Prevention of Lung Bacterial Colonization With a Leak-Proof Endotracheal Tube Cuff: An Experimental Animal Study. <i>Respiratory Care</i> , 2019 , 64, 1031-1041	2.1	0
123	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
122	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
121	Effect of Face Mask Design and Bias Flow on Rebreathing During Noninvasive Ventilation. <i>Respiratory Care</i> , 2019 , 64, 793-800	2.1	6
120	Plateau and driving pressure in the presence of spontaneous breathing. <i>Intensive Care Medicine</i> , 2019 , 45, 97-98	14.5	39
119	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
118	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
117	Acute ischaemic stroke: challenges for the intensivist. <i>Intensive Care Medicine</i> , 2019 , 45, 1177-1189	14.5	26
116	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
115	Deep Learning for Prediction of Diaphragm Activity from the Surface Electromyogram. <i>Current Directions in Biomedical Engineering</i> , 2019 , 5, 17-20	0.5	1
114	Water content of delivered gases during Helmet Continuous Positive Airway Pressure in healthy subjects. <i>Acta Biomedica</i> , 2019 , 90, 65-71	3.2	2
113	How to measure respiratory mechanics during controlled mechanical ventilation. <i>AboutOpen</i> , 2019 , 6, 86-89	0.3	1
112	Plateau Pressure during Pressure Control Ventilation. <i>AboutOpen</i> , 2019 , 6, 76-77	0.3	2
111	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
110	Driving Pressure Is Associated with Outcome during Assisted Ventilation in Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2019 , 131, 594-604	4.3	36

109	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
108	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
107	Resolved versus confirmed ARDS after 24h: insights from the LUNG SAFE study. <i>Intensive Care Medicine</i> , 2018 , 44, 564-577	14.5	36
106	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
105	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
104	Immunocompromised patients with acute respiratory distress syndrome: secondary analysis of the LUNG SAFE database. <i>Critical Care</i> , 2018 , 22, 157	10.8	49
103	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
102	Respiratory mechanics in patients with acute respiratory distress syndrome. <i>Annals of Translational Medicine</i> , 2018 , 6, 382	3.2	17
101	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
100	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
99	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
98	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
97	Weaning from Mechanical Ventilation: Have We, so Far, Missed a Crucial Point?. <i>Anesthesiology</i> , 2018 , 129, 394-395	4.3	
96	Death determined by neurological criteria: the next steps. <i>Intensive Care Medicine</i> , 2017 , 43, 1383-1385	14.5	12
95	Reply: "Could Noninvasive Ventilation Failure Rates Be Underestimated in the LUNG SAFE Study?" and "High-Flow Oxygen, Positive End-Expiratory Pressure, and the Berlin Definition of Acute Respiratory Distress Syndrome: Are They Mutually Exclusive?". <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 397-398	10.2	
94	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
93	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
92	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

91	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
90	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
89	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
88	Respiratory mechanics to understand ARDS and guide mechanical ventilation. <i>Physiological Measurement</i> , 2017 , 38, R280-H303	2.9	16
87	Definition and epidemiology of acute respiratory distress syndrome. <i>Annals of Translational Medicine</i> , 2017 , 5, 282	3.2	99
86	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
85	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
84	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
83	Tidal changes on CT and progression of ARDS. <i>Thorax</i> , 2017 , 72, 981-989	7.3	25
82	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
81	Bedside multimodal imaging of hemidiaphragm palsy after spinal cord injury. <i>Intensive Care Medicine</i> , 2017 , 43, 562-563	14.5	
80	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
79	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</i> , 2017 , 2017, 2235-2238	0.9	3
78	Noninvasive mechanical ventilation in early acute respiratory distress syndrome. <i>Polish Archives of Internal Medicine</i> , 2017 , 127, 614-620	1.9	3
77	Quantification of Dynamic [18F]FDG Pet Studies in Acute Lung Injury. <i>Molecular Imaging and Biology</i> , 2016 , 18, 143-52	3.8	12
76	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
75	Incidence of Acute Respiratory Distress Syndrome--Reply. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 316, 347	27.4	8
74	Design of functionalized gold nanoparticle probes for computed tomography imaging. <i>Contrast Media and Molecular Imaging</i> , 2016 , 11, 405-414	3.2	24

73	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
72	Esophageal and transpulmonary pressure in the clinical setting: meaning, usefulness and perspectives. <i>Intensive Care Medicine</i> , 2016 , 42, 1360-73	14.5	234
71	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
70	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
69	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
68	Understanding coma in bacterial meningitis. <i>Intensive Care Medicine</i> , 2016 , 42, 1282-5	14.5	1
67	Ventilator Management During ECLS. <i>Respiratory Medicine</i> , 2016 , 163-180	0.2	
66	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
65	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
64	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
63	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
62	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
61	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
60	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
59	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
58	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
57	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
56	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

55	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
54	Pulmonary surfactant synthesis after unilateral lung injury in mice. <i>Journal of Applied Physiology</i> , 2014 , 116, 210-5	3.7	6
53	Ventilatory Management of ARDS Before and During ECMO 2014 , 239-248		
52	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
51	Assessing effort and work of breathing. <i>Current Opinion in Critical Care</i> , 2014 , 20, 352-8	3.5	25
50	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
49	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
48	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
47	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
46	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
45	Unilateral acid aspiration augments the effects of ventilator lung injury in the contralateral lung. <i>Anesthesiology</i> , 2013 , 119, 642-51	4.3	11
44	Transpulmonary pressure at functional residual capacity. <i>Critical Care Medicine</i> , 2013 , 41, e9	1.4	3
43	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
42	Respiratory pattern during neurally adjusted ventilatory assist in acute respiratory failure patients. <i>Intensive Care Medicine</i> , 2012 , 38, 230-9	14.5	57
41	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
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