

Antonio Pesenti

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.

358 papers	30,829 citations	70 h-index	171 g-index
391 ext. papers	39,433 ext. citations	8.3 avg, IF	7.39 L-index

#	Paper	IF	Citations
358	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> , 2020 , 323, 1574-1581	27.4	3054
357	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
356	Critical Care Utilization for the COVID-19 Outbreak in Lombardy, Italy: Early Experience and Forecast During an Emergency Response. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 323, 1545-1546	27.4	1287
355	A trial of goal-oriented hemodynamic therapy in critically ill patients. SvO2 Collaborative Group. <i>New England Journal of Medicine</i> , 1995 , 333, 1025-32	59.2	1241
354	Intra-arrest transnasal evaporative cooling: a randomized, prehospital, multicenter study (PRINCE: Pre-ROSC IntraNasal Cooling Effectiveness). <i>Circulation</i> , 2010 , 122, 729-36	16.7	1030
353	Genomewide Association Study of Severe Covid-19 with Respiratory Failure. <i>New England Journal of Medicine</i> , 2020 , 383, 1522-1534	59.2	913
352	Effect of prone positioning on the survival of patients with acute respiratory failure. <i>New England Journal of Medicine</i> , 2001 , 345, 568-73	59.2	894
351	Hypercoagulability of COVID-19 patients in intensive care unit: A report of thromboelastography findings and other parameters of hemostasis. <i>Journal of Thrombosis and Haemostasis</i> , 2020 , 18, 1738-1742	15.4	787
350	Pressure-volume curve of total respiratory system in acute respiratory failure. Computed tomographic scan study. <i>The American Review of Respiratory Disease</i> , 1987 , 136, 730-6		694
349	Albumin replacement in patients with severe sepsis or septic shock. <i>New England Journal of Medicine</i> , 2014 , 370, 1412-21	59.2	677
348	An Official American Thoracic Society/European Society of Intensive Care Medicine/Society of Critical Care Medicine Clinical Practice Guideline: Mechanical Ventilation in Adult Patients with Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 1253-1263	10.2	674
347	Pentraxin 3 in acute respiratory distress syndrome: an early marker of severity. <i>Critical Care Medicine</i> , 2008 , 36, 2302-8	1.4	658
346	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
345	The concept of "baby lung". <i>Intensive Care Medicine</i> , 2005 , 31, 776-84	14.5	508
344	Relationships between lung computed tomographic density, gas exchange, and PEEP in acute respiratory failure. <i>Anesthesiology</i> , 1988 , 69, 824-32	4.3	501
343	Mechanical Ventilation to Minimize Progression of Lung Injury in Acute Respiratory Failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 438-442	10.2	491
342	Body position changes redistribute lung computed-tomographic density in patients with acute respiratory failure. <i>Anesthesiology</i> , 1991 , 74, 15-23	4.3	465

341	Low-frequency positive-pressure ventilation with extracorporeal CO2 removal in severe acute respiratory failure. <i>JAMA - Journal of the American Medical Association</i> , 1986 , 256, 881-886	27.4	393
340	Prone ventilation reduces mortality in patients with acute respiratory failure and severe hypoxemia: systematic review and meta-analysis. <i>Intensive Care Medicine</i> , 2010 , 36, 585-99	14.5	377
339	Carbon dioxide dialysis will save the lung. <i>Critical Care Medicine</i> , 2010 , 38, S549-54	1.4	340
338	Prone positioning in patients with moderate and severe acute respiratory distress syndrome: a randomized controlled trial. <i>JAMA - Journal of the American Medical Association</i> , 2009 , 302, 1977-84	27.4	324
337	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
336	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
335	Position paper for the organization of extracorporeal membrane oxygenation programs for acute respiratory failure in adult patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 190, 488-96	10.2	290
334	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
333	The Italian ECMO network experience during the 2009 influenza A(H1N1) pandemic: preparation for severe respiratory emergency outbreaks. <i>Intensive Care Medicine</i> , 2011 , 37, 1447-57	14.5	259
332	Prone Position for Acute Respiratory Distress Syndrome. A Systematic Review and Meta-Analysis. <i>Annals of the American Thoracic Society</i> , 2017 , 14, S280-S288	4.7	247
331	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
330	Esophageal and transpulmonary pressure in the clinical setting: meaning, usefulness and perspectives. <i>Intensive Care Medicine</i> , 2016 , 42, 1360-73	14.5	234
329	Lung structure and function in different stages of severe adult respiratory distress syndrome. <i>JAMA - Journal of the American Medical Association</i> , 1994 , 271, 1772-1779	27.4	208
328	Treatment of acute respiratory failure with low-frequency positive-pressure ventilation and extracorporeal removal of CO2. <i>Lancet, The</i> , 1980 , 2, 292-4	40	196
327	Decrease in PaCO2 with prone position is predictive of improved outcome in acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2003 , 31, 2727-33	1.4	184
326	Induced abdominal compartment syndrome increases intracranial pressure in neurotrauma patients: a prospective study. <i>Critical Care Medicine</i> , 2001 , 29, 1466-71	1.4	167
325	Adult respiratory distress syndrome due to pulmonary and extrapulmonary causes: CT, clinical, and functional correlations. <i>Radiology</i> , 1999 , 213, 545-52	20.5	159
324	Predicting mortality risk in patients undergoing venovenous ECMO for ARDS due to influenza A (H1N1) pneumonia: the ECMOnet score. <i>Intensive Care Medicine</i> , 2013 , 39, 275-81	14.5	154

323	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
322	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
321	ECMO criteria for influenza A (H1N1)-associated ARDS: role of transpulmonary pressure. <i>Intensive Care Medicine</i> , 2012 , 38, 395-403	14.5	140
320	In-Hospital Neurologic Complications in Adult Patients Undergoing Venoarterial Extracorporeal Membrane Oxygenation: Results From the Extracorporeal Life Support Organization Registry. <i>Critical Care Medicine</i> , 2016 , 44, e964-72	1.4	137
319	Effect of prone positioning during mechanical ventilation on mortality among patients with acute respiratory distress syndrome: a systematic review and meta-analysis. <i>Cmaj</i> , 2014 , 186, E381-90	3.5	136
318	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
317	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
316	The Eldicus prospective, observational study of triage decision making in European intensive care units. Part II: intensive care benefit for the elderly. <i>Critical Care Medicine</i> , 2012 , 40, 132-8	1.4	133
315	The "baby lung" became an adult. <i>Intensive Care Medicine</i> , 2016 , 42, 663-673	14.5	131
314	Effects of periodic lung recruitment maneuvers on gas exchange and respiratory mechanics in mechanically ventilated acute respiratory distress syndrome (ARDS) patients. <i>Intensive Care Medicine</i> , 2000 , 26, 501-7	14.5	131
313	Extracorporeal membrane oxygenation (ECMO) in patients with H1N1 influenza infection: a systematic review and meta-analysis including 8 studies and 266 patients receiving ECMO. <i>Critical Care</i> , 2013 , 17, R30	10.8	128
312	The role of total static lung compliance in the management of severe ARDS unresponsive to conventional treatment. <i>Intensive Care Medicine</i> , 1984 , 10, 121-6	14.5	121
311	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
310	Optimum support by high-flow nasal cannula in acute hypoxemic respiratory failure: effects of increasing flow rates. <i>Intensive Care Medicine</i> , 2017 , 43, 1453-1463	14.5	114
309	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
308	Associations between ventilator settings during extracorporeal membrane oxygenation for refractory hypoxemia and outcome in patients with acute respiratory distress syndrome: a pooled individual patient data analysis : Mechanical ventilation during ECMO. <i>Intensive Care Medicine</i> , 2016 , 42, 1170-1181	14.5	112
307	Neurologic Injury in Adults Supported With Veno-Venous Extracorporeal Membrane Oxygenation for Respiratory Failure: Findings From the Extracorporeal Life Support Organization Database. <i>Critical Care Medicine</i> , 2017 , 45, 1389-1397	1.4	110
306	Potential for Lung Recruitment and Ventilation-Perfusion Mismatch in Patients With the Acute Respiratory Distress Syndrome From Coronavirus Disease 2019. <i>Critical Care Medicine</i> , 2020 , 48, 1129-1134	1.4	108

305	Statement of the 4th International Consensus Conference in Critical Care on ICU-Acquired Pneumonia--Chicago, Illinois, May 2002. <i>Intensive Care Medicine</i> , 2002 , 28, 1521-36	14.5	107
304	"Awake" extracorporeal membrane oxygenation (ECMO): pathophysiology, technical considerations, and clinical pioneering. <i>Critical Care</i> , 2016 , 20, 150	10.8	103
303	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
302	Volume/pressure curve of total respiratory system in paralysed patients: artefacts and correction factors. <i>Intensive Care Medicine</i> , 1987 , 13, 19-25	14.5	100
301	Fluid leakage across tracheal tube cuff, effect of different cuff material, shape, and positive expiratory pressure: a bench-top study. <i>Intensive Care Medicine</i> , 2011 , 37, 343-7	14.5	96
300	Closed system endotracheal suctioning maintains lung volume during volume-controlled mechanical ventilation. <i>Intensive Care Medicine</i> , 2001 , 27, 648-54	14.5	96
299	Mean airway pressure vs. positive end-expiratory pressure during mechanical ventilation. <i>Critical Care Medicine</i> , 1985 , 13, 34-7	1.4	96
298	Venovenous extracorporeal membrane oxygenation for acute respiratory failure : A clinical review from an international group of experts. <i>Intensive Care Medicine</i> , 2016 , 42, 712-724	14.5	91
297	Sigh improves gas exchange and lung volume in patients with acute respiratory distress syndrome undergoing pressure support ventilation. <i>Anesthesiology</i> , 2002 , 96, 788-94	4.3	91
296	Infections during extracorporeal membrane oxygenation: epidemiology, risk factors, pathogenesis and prevention. <i>International Journal of Antimicrobial Agents</i> , 2017 , 50, 9-16	14.3	86
295	Prone position in ARDS patients: why, when, how and for whom. <i>Intensive Care Medicine</i> , 2020 , 46, 2385-2396	14.5	85
294	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
293	Clinical review: Respiratory monitoring in the ICU - a consensus of 16. <i>Critical Care</i> , 2012 , 16, 219	10.8	81
292	Imaging in acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2016 , 42, 686-698	14.5	79
291	Pressure support ventilation in patients with acute lung injury. <i>Critical Care Medicine</i> , 2000 , 28, 1269-75	1.4	77
290	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
289	Sympathetic modulation of radial artery compliance in congestive heart failure. <i>Hypertension</i> , 1995 , 26, 348-54	8.5	71
288	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

287	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
286	Blood kinetics of Ebola virus in survivors and nonsurvivors. <i>Journal of Clinical Investigation</i> , 2015 , 125, 4692-8	15.9	67
285	A clinical assessment of the Mucus Shaver: a device to keep the endotracheal tube free from secretions. <i>Critical Care Medicine</i> , 2012 , 40, 119-24	1.4	66
284	CT scan in ARDS: clinical and physiopathological insights. <i>Acta Anaesthesiologica Scandinavica</i> , 1991 , 95, 87-94; discussion 94-6	1.9	66
283	Respiratory drive in the acute respiratory distress syndrome: pathophysiology, monitoring, and therapeutic interventions. <i>Intensive Care Medicine</i> , 2020 , 46, 606-618	14.5	66
282	Measurement of pulmonary edema in patients with acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2005 , 33, 2547-54	1.4	65
281	The effects of positive end-expiratory pressure on respiratory resistance in patients with the adult respiratory distress syndrome and in normal anesthetized subjects. <i>The American Review of Respiratory Disease</i> , 1991 , 144, 101-7		65
280	Hospital-Acquired Infections in Critically Ill Patients With COVID-19. <i>Chest</i> , 2021 , 160, 454-465	5.3	64
279	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
278	Respiratory support in patients with acute respiratory distress syndrome: an expert opinion. <i>Critical Care</i> , 2017 , 21, 240	10.8	62
277	Six-Month Outcome of Immunocompromised Patients with Severe Acute Respiratory Distress Syndrome Rescued by Extracorporeal Membrane Oxygenation. An International Multicenter Retrospective Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 1297-1307	10.2	62
276	Lung- and Diaphragm-Protective Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 950-961	10.2	61
275	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
274	Body position changes redistribute lung computed-tomographic density in patients with acute respiratory failure: impact and clinical fallout through the following 20 years. <i>Intensive Care Medicine</i> , 2013 , 39, 1909-15	14.5	59
273	A multicentre, randomised, open-label, controlled trial evaluating equivalence of inhalational and intravenous anaesthesia during elective craniotomy. <i>European Journal of Anaesthesiology</i> , 2012 , 29, 371-3	3.3	59
272	The Eldicus prospective, observational study of triage decision making in European intensive care units: part I--European Intensive Care Admission Triage Scores. <i>Critical Care Medicine</i> , 2012 , 40, 125-31	1.4	59
271	End-inspiratory airway occlusion: a method to assess the pressure developed by inspiratory muscles in patients with acute lung injury undergoing pressure support. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997 , 156, 1210-6	10.2	59
270	Extracorporeal carbon dioxide removal (ECCOR) in patients with acute respiratory failure. <i>Intensive Care Medicine</i> , 2017 , 43, 519-530	14.5	58

269	Respiratory Electrodialysis. A Novel, Highly Efficient Extracorporeal CO2 Removal Technique. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 192, 719-26	10.2	58
268	Positive end-expiratory pressure prevents the loss of respiratory compliance during low tidal volume ventilation in acute lung injury patients. <i>Chest</i> , 1996 , 109, 480-5	5.3	58
267	Respiratory pattern during neurally adjusted ventilatory assist in acute respiratory failure patients. <i>Intensive Care Medicine</i> , 2012 , 38, 230-9	14.5	57
266	Complement activation and endothelial perturbation parallel COVID-19 severity and activity. <i>Journal of Autoimmunity</i> , 2021 , 116, 102560	15.5	57
265	Blood acidification enhances carbon dioxide removal of membrane lung: an experimental study. <i>Intensive Care Medicine</i> , 2009 , 35, 1484-7	14.5	55
264	The role for high flow nasal cannula as a respiratory support strategy in adults: a clinical practice guideline. <i>Intensive Care Medicine</i> , 2020 , 46, 2226-2237	14.5	55
263	Thromboelastography-based anticoagulation management during extracorporeal membrane oxygenation: a safety and feasibility pilot study. <i>Annals of Intensive Care</i> , 2018 , 8, 7	8.9	54
262	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
261	Pulmonary microthrombosis in severe adult respiratory distress syndrome. <i>Critical Care Medicine</i> , 1988 , 16, 111-3	1.4	53
260	Anakinra combined with methylprednisolone in patients with severe COVID-19 pneumonia and hyperinflammation: An observational cohort study. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 147, 561-566.e4	11.5	53
259	Nosocomial Infections During Extracorporeal Membrane Oxygenation: Incidence, Etiology, and Impact on Patients' Outcome. <i>Critical Care Medicine</i> , 2017 , 45, 1726-1733	1.4	52
258	Amplitude spectrum area to guide defibrillation: a validation on 1617 patients with ventricular fibrillation. <i>Circulation</i> , 2015 , 131, 478-87	16.7	52
257	Tight glycemic control may favor fibrinolysis in patients with sepsis. <i>Critical Care Medicine</i> , 2009 , 37, 424-34	14.5	52
256	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
255	Implications of ICU triage decisions on patient mortality: a cost-effectiveness analysis. <i>Critical Care</i> , 2011 , 15, R56	10.8	51
254	Extracorporeal membrane oxygenation with a poly-methylpentene oxygenator (Quadrox D). The experience of a single Italian centre in adult patients with refractory cardiogenic shock. <i>ASAIO Journal</i> , 2008 , 54, 89-94	3.6	51
253	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
252	Mechanical Ventilation for Acute Respiratory Distress Syndrome during Extracorporeal Life Support. Research and Practice. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 514-525	10.2	50

251	Plasma sRAGE is independently associated with increased mortality in ARDS: a meta-analysis of individual patient data. <i>Intensive Care Medicine</i> , 2018 , 44, 1388-1399	14.5	49
250	Immunocompromised patients with acute respiratory distress syndrome: secondary analysis of the LUNG SAFE database. <i>Critical Care</i> , 2018 , 22, 157	10.8	49
249	Prone position in intubated, mechanically ventilated patients with COVID-19: a multi-centric study of more than 1000 patients. <i>Critical Care</i> , 2021 , 25, 128	10.8	49
248	Platelet Drop and Fibrinolytic Shutdown in Patients With Sepsis. <i>Critical Care Medicine</i> , 2018 , 46, e221-e228	11.4	48
247	Inhalation versus endovenous sedation in subarachnoid hemorrhage patients: effects on regional cerebral blood flow. <i>Critical Care Medicine</i> , 2012 , 40, 2797-804	1.4	48
246	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
245	Successful Transplantation of Lungs From an Uncontrolled Donor After Circulatory Death Preserved In Situ by Alveolar Recruitment Maneuvers and Assessed by Ex Vivo Lung Perfusion. <i>American Journal of Transplantation</i> , 2016 , 16, 1312-8	8.7	48
244	Fifty Years of Research in ARDS. Is Extracorporeal Circulation the Future of Acute Respiratory Distress Syndrome Management?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 1161-1170	10.2	47
243	Pentraxin 3 in patients with severe sepsis or shock: the ALBIOS trial. <i>European Journal of Clinical Investigation</i> , 2017 , 47, 73-83	4.6	45
242	Respiratory mechanics and bronchodilator responsiveness in patients with the adult respiratory distress syndrome. <i>Critical Care Medicine</i> , 1993 , 21, 78-83	1.4	45
241	Variation of poorly ventilated lung units (silent spaces) measured by electrical impedance tomography to dynamically assess recruitment. <i>Critical Care</i> , 2018 , 22, 26	10.8	44
240	Internally coated endotracheal tubes with silver sulfadiazine in polyurethane to prevent bacterial colonization: a clinical trial. <i>Intensive Care Medicine</i> , 2008 , 34, 1030-7	14.5	44
239	A new look at therapy of the adult respiratory distress syndrome: motionless lungs. <i>International Anesthesiology Clinics</i> , 1983 , 21, 97-117	0.6	44
238	Impact of flow and temperature on patient comfort during respiratory support by high-flow nasal cannula. <i>Critical Care</i> , 2018 , 22, 120	10.8	43
237	Circulating Biologically Active Adrenomedullin (bio-ADM) Predicts Hemodynamic Support Requirement and Mortality During Sepsis. <i>Chest</i> , 2017 , 152, 312-320	5.3	42
236	Is helmet CPAP first line pre-hospital treatment of presumed severe acute pulmonary edema?. <i>Intensive Care Medicine</i> , 2009 , 35, 656-62	14.5	42
235	Extracorporeal life support for adults with acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2020 , 46, 2464-2476	14.5	40
234	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

233	Hemodynamic and gas exchange response to inhaled nitric oxide and prone positioning in acute respiratory distress syndrome patients. <i>Critical Care Medicine</i> , 2000 , 28, 2707-12	1.4	38
232	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
231	Prevention of hyaline membrane disease in premature lambs by apneic oxygenation and extracorporeal carbon dioxide removal. <i>Intensive Care Medicine</i> , 1982 , 8, 11-7	14.5	37
230	Regional blood acidification enhances extracorporeal carbon dioxide removal: a 48-hour animal study. <i>Anesthesiology</i> , 2014 , 120, 416-24	4.3	36
229	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
228	Driving Pressure Is Associated with Outcome during Assisted Ventilation in Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2019 , 131, 594-604	4.3	36
227	Extracorporeal membrane oxygenation for interhospital transfer of severe acute respiratory distress syndrome patients: 5-year experience. <i>International Journal of Artificial Organs</i> , 2011 , 34, 1052-60 ⁹	1.9	35
226	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
225	Extracorporeal carbon dioxide removal through ventilation of acidified dialysate: an experimental study. <i>Journal of Heart and Lung Transplantation</i> , 2014 , 33, 536-41	5.8	33
224	Percutaneous extracorporeal CO2 removal in a patient with bullous emphysema with recurrent bilateral pneumothoraces and respiratory failure. <i>Anesthesiology</i> , 1990 , 72, 571-3	4.3	33
223	Amiodarone induced phospholipidosis. Biochemical, morphological and functional changes in the lungs of rats chronically treated with amiodarone. <i>Biochemical Pharmacology</i> , 1987 , 36, 3209-14	6	33
222	Percutaneous vascular cannulation for extracorporeal life support (ECLS): a modified technique. <i>International Journal of Artificial Organs</i> , 2010 , 33, 553-7	1.9	32
221	Tight glycemic control does not affect asymmetric-dimethylarginine in septic patients. <i>Intensive Care Medicine</i> , 2008 , 34, 1843-50	14.5	32
220	Effects of continuous negative extrathoracic pressure versus positive end-expiratory pressure in acute lung injury patients. <i>Critical Care Medicine</i> , 1998 , 26, 1025-31	1.4	32
219	Decreasing pulmonary ventilation through bicarbonate ultrafiltration: an experimental study. <i>Critical Care Medicine</i> , 2009 , 37, 2612-8	1.4	31
218	Neurologic outcome of postanoxic refractory status epilepticus after aggressive treatment. <i>Neurology</i> , 2018 , 91, e2153-e2162	6.5	31
217	Extremely high transpulmonary pressure in a spontaneously breathing patient with early severe ARDS on ECMO. <i>Intensive Care Medicine</i> , 2016 , 42, 2101-2103	14.5	30
216	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

215	An interrupter technique for measuring respiratory mechanics and the pressure generated by respiratory muscles during partial ventilatory support. <i>Chest</i> , 1992 , 102, 918-23	5.3	30
214	Extracorporeal gas exchange. <i>Current Opinion in Critical Care</i> , 2009 , 15, 52-8	3.5	29
213	Danger of helmet continuous positive airway pressure during failure of fresh gas source supply. <i>Intensive Care Medicine</i> , 2007 , 33, 153-7	14.5	29
212	Intraoperative hypotension is not associated with postoperative cognitive dysfunction in elderly patients undergoing general anesthesia for surgery: results of a randomized controlled pilot trial. <i>Journal of Clinical Anesthesia</i> , 2019 , 52, 111-118	1.9	29
211	Control of fever by continuous, low-dose diclofenac sodium infusion in acute cerebral damage patients. <i>Intensive Care Medicine</i> , 2000 , 26, 552-7	14.5	28
210	The main determinants of nitrogen balance during total parenteral nutrition in critically ill injured patients. <i>Intensive Care Medicine</i> , 1984 , 10, 251-4	14.5	28
209	Segregation of virulent influenza A(H1N1) variants in the lower respiratory tract of critically ill patients during the 2010-2011 seasonal epidemic. <i>PLoS ONE</i> , 2011 , 6, e28332	3.7	28
208	Imaging in acute lung injury and acute respiratory distress syndrome. <i>Current Opinion in Critical Care</i> , 2012 , 18, 29-34	3.5	27
207	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
206	Effects of short-term oxygenation changes on acute lung injury patients undergoing pressure support ventilation. <i>Chest</i> , 1993 , 103, 1185-9	5.3	27
205	The value of portable chest roentgenography in adult respiratory distress syndrome. Comparison with computed tomography. <i>Chest</i> , 1991 , 100, 762-9	5.3	27
204	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
203	Mechanical ventilation parameters in critically ill COVID-19 patients: a scoping review. <i>Critical Care</i> , 2021 , 25, 115	10.8	27
202	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
201	Assessing effort and work of breathing. <i>Current Opinion in Critical Care</i> , 2014 , 20, 352-8	3.5	25
200	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
199	Application of prone position in hypoxaemic patients supported by veno-venous ECMO. <i>Intensive and Critical Care Nursing</i> , 2018 , 48, 61-68	3.1	24
198	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

197	Outbreak of skin and soft tissue infections in a hospital newborn nursery in Italy due to community-acquired meticillin-resistant <i>Staphylococcus aureus</i> USA300 clone. <i>Journal of Hospital Infection</i> , 2013 , 83, 36-40	6.9	23
196	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
195	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
194	Assessment of patient-ventilator breath contribution during neurally adjusted ventilatory assist. <i>Intensive Care Medicine</i> , 2012 , 38, 1224-32	14.5	22
193	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
192	Pathophysiology and Management of Acute Respiratory Distress Syndrome in Obese Patients. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2019 , 40, 40-56	3.9	21
191	One ventilator for two patients: feasibility and considerations of a last resort solution in case of equipment shortage. <i>Thorax</i> , 2020 , 75, 517-519	7.3	21
190	Research in Extracorporeal Life Support: A Call to Action. <i>Chest</i> , 2018 , 153, 788-791	5.3	21
189	New treatment bundles improve survival in out-of-hospital cardiac arrest patients: a historical comparison. <i>Resuscitation</i> , 2014 , 85, 1240-4	4	21
188	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
187	Randomized, multicenter trial of lateral Trendelenburg versus semirecumbent body position for the prevention of ventilator-associated pneumonia. <i>Intensive Care Medicine</i> , 2017 , 43, 1572-1584	14.5	20
186	Understanding blood gas analysis. <i>Intensive Care Medicine</i> , 2018 , 44, 91-93	14.5	20
185	Circulating Proenkephalin, Acute Kidney Injury, and Its Improvement in Patients with Severe Sepsis or Shock. <i>Clinical Chemistry</i> , 2018 , 64, 1361-1369	5.5	20
184	Combining multiple ECG features does not improve prediction of defibrillation outcome compared to single features in a large population of out-of-hospital cardiac arrests. <i>Critical Care</i> , 2015 , 19, 425	10.8	20
183	Use of extracorporeal respiratory support during pregnancy: a case report and literature review. <i>ASAIO Journal</i> , 2012 , 58, 281-4	3.6	20
182	Extracorporeal Carbon Dioxide Removal Enhanced by Lactic Acid Infusion in Spontaneously Breathing Conscious Sheep. <i>Anesthesiology</i> , 2016 , 124, 674-82	4.3	20
181	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
180	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

179	Computerised tomography scan imaging in acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2001 , 27, 631-9	14.5	19
178	Simple estimate of the true right to left shunt (Qs/Qt) at maintenance FIO2 by sulphur hexafluoride retention. <i>Intensive Care Medicine</i> , 1982 , 8, 283-6	14.5	19
177	Management of critically ill patients with COVID-19: suggestions and instructions from the coordination of intensive care units of Lombardy. <i>Minerva Anestesiologica</i> , 2020 , 86, 1234-1245	1.9	19
176	Efficacy and safety of lower versus higher CO extraction devices to allow ultraprotective ventilation: secondary analysis of the SUPERNOVA study. <i>Thorax</i> , 2019 , 74, 1179-1181	7.3	18
175	Prognostic Value of Secretoneurin in Patients With Severe Sepsis and Septic Shock: Data From the Albumin Italian Outcome Sepsis Study. <i>Critical Care Medicine</i> , 2018 , 46, e404-e410	1.4	18
174	Measurement of pressure-time product during spontaneous assisted breathing by rapid interrupter technique. <i>Anesthesiology</i> , 2007 , 106, 484-90	4.3	18
173	Quality of Life and Lung Function in Survivors of Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2019 , 130, 572-580	4.3	18
172	Understanding hypoxemia on ECCOR: back to the alveolar gas equation. <i>Intensive Care Medicine</i> , 2019 , 45, 255-256	14.5	18
171	Increasing support by nasal high flow acutely modifies the ROX index in hypoxemic patients: A physiologic study. <i>Journal of Critical Care</i> , 2019 , 53, 183-185	4	17
170	A mathematical model of oxygenation during venovenous extracorporeal membrane oxygenation support. <i>Journal of Critical Care</i> , 2016 , 36, 178-186	4	17
169	Enhanced Extracorporeal CO2 Removal by Regional Blood Acidification: Effect of Infusion of Three Metabolizable Acids. <i>ASAIO Journal</i> , 2015 , 61, 533-9	3.6	17
168	Infusion of 2.5 meq/min of Lactic Acid minimally increases CO2 production compared to an isocaloric glucose infusion in healthy anesthetized, mechanically ventilated pigs. <i>Critical Care</i> , 2013 , 17, R268	10.8	17
167	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
166	Antipyretic therapy in ICU patients: evaluation of low dose diclofenac sodium. <i>Intensive Care Medicine</i> , 1986 , 12, 370-3	14.5	17
165	Use of critical care resources during the first 2 weeks (February 24-March 8, 2020) of the Covid-19 outbreak in Italy. <i>Annals of Intensive Care</i> , 2020 , 10, 133	8.9	17
164	Performance of different continuous positive airway pressure helmets equipped with safety valves during failure of fresh gas supply. <i>Intensive Care Medicine</i> , 2011 , 37, 1031-5	14.5	16
163	Nutritional support to long-term anesthetized and curarized patients under extracorporeal respiratory assist for terminal pulmonary failure. <i>Journal of Parenteral and Enteral Nutrition</i> , 1983 , 7, 50-4	4.2	16
162	ECMO-Extracorporeal Life Support in Adults 2014 ,		15

161	Modular extracorporeal life support: effects of ultrafiltrate recirculation on the performance of an extracorporeal carbon dioxide removal device. <i>ASAIO Journal</i> , 2014 , 60, 335-41	3.6	15
160	Venous admixture (Q _{va} /Q) and true shunt (Q _s /Q _t) in ARF patients: effects of PEEP at constant FIO ₂ . <i>Intensive Care Medicine</i> , 1983 , 9, 307-11	14.5	15
159	Extracorporeal cardiopulmonary support for cardiogenic shock caused by pheochromocytoma: a case report and literature review. <i>Anesthesiology</i> , 2008 , 108, 959-62	4.3	15
158	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
157	Effects of sodium citrate, citric acid and lactic acid on human blood coagulation. <i>Perfusion (United Kingdom)</i> , 2018 , 33, 577-583	1.9	15
156	Nonconventional support of respiration. <i>Current Opinion in Critical Care</i> , 2011 , 17, 527-32	3.5	14
155	Imaging of lung inflammation during severe influenza A: H1N1. <i>Intensive Care Medicine</i> , 2010 , 36, 717-8	14.5	14
154	Complications of prone positioning in patients with COVID-19: A cross-sectional study. <i>Intensive and Critical Care Nursing</i> , 2021 , 67, 103088	3.1	14
153	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
152	Antithrombin During Extracorporeal Membrane Oxygenation in Adults: National Survey and Retrospective Analysis. <i>ASAIO Journal</i> , 2019 , 65, 257-263	3.6	13
151	Neurological outcome of postanoxic refractory status epilepticus after aggressive treatment. <i>Epilepsy and Behavior</i> , 2019 , 101, 106374	3.2	13
150	Anaesthesiological strategies in elective craniotomy: randomized, equivalence, open trial--the NeuroMorfeo trial. <i>Trials</i> , 2009 , 10, 19	2.8	13
149	Airway pressure and flow monitoring. <i>Current Opinion in Critical Care</i> , 2010 , 16, 255-60	3.5	13
148	Goal-oriented hemodynamic therapy. <i>New England Journal of Medicine</i> , 1996 , 334, 799; author reply 800	59.2	13
147	Lung and chest wall mechanics in normal anaesthetized subjects and in patients with COPD at different PEEP levels. <i>European Respiratory Journal</i> , 1997 , 10, 2545-52	13.6	13
146	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
145	Personalized Positive End-Expiratory Pressure in Acute Respiratory Distress Syndrome: Comparison Between Optimal Distribution of Regional Ventilation and Positive Transpulmonary Pressure. <i>Critical Care Medicine</i> , 2020 , 48, 1148-1156	1.4	13
144	Effects of inspiratory flow on lung stress, pendelluft, and ventilation heterogeneity in ARDS: a physiological study. <i>Critical Care</i> , 2019 , 23, 369	10.8	13

143	Respiratory Physiology for the Anesthesiologist. <i>Anesthesiology</i> , 2019 , 130, 1064-1077	4.3	13
142	Pathophysiology of COVID-19-associated acute respiratory distress syndrome - Authors' reply. <i>Lancet Respiratory Medicine</i> , 2021 , 9, e5-e6	35.1	13
141	Quantification of Dynamic [18F]FDG Pet Studies in Acute Lung Injury. <i>Molecular Imaging and Biology</i> , 2016 , 18, 143-52	3.8	12
140	Low tidal volume, high respiratory rate and auto-PEEP: the importance of the basics. <i>Critical Care</i> , 2003 , 7, 105-6	10.8	12
139	Extracorporeal CO2 Removal by Respiratory Electrodialysis: An In Vitro Study. <i>ASAIO Journal</i> , 2016 , 62, 143-9	3.6	12
138	Nasal high flow: physiology, efficacy and safety in the acute care setting, a narrative review. <i>Open Access Emergency Medicine</i> , 2019 , 11, 109-120	1.9	11
137	Interstitial pneumonia with autoimmune features: an additional risk factor for ARDS?. <i>Annals of Intensive Care</i> , 2017 , 7, 98	8.9	11
136	Unilateral acid aspiration augments the effects of ventilator lung injury in the contralateral lung. <i>Anesthesiology</i> , 2013 , 119, 642-51	4.3	11
135	Outcome of acute hypoxaemic respiratory failure: insights from the LUNG SAFE Study. <i>European Respiratory Journal</i> , 2021 , 57,	13.6	11
134	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
133	The first five years of neonatal and pediatric transports on extracorporeal membrane oxygenation in the center and south of Italy: The pediatric branch of the Italian "Rete Respira" network. <i>Perfusion (United Kingdom)</i> , 2018 , 33, 24-30	1.9	11
132	Unmatched ventilation and perfusion measured by electrical impedance tomography predicts the outcome of ARDS. <i>Critical Care</i> , 2021 , 25, 192	10.8	10
131	Nasal High Flow Delivered within the Helmet: A New Noninvasive Respiratory Support. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 115-117	10.2	10
130	Barotrauma in mechanically ventilated patients with Coronavirus disease 2019: a survey of 38 hospitals in Lombardy, Italy. <i>Minerva Anestesiologica</i> , 2021 , 87, 193-198	1.9	10
129	Endothelial damage in septic shock patients as evidenced by circulating syndecan-1, sphingosine-1-phosphate and soluble VE-cadherin: a substudy of ALBIOS. <i>Critical Care</i> , 2021 , 25, 113	10.8	10
128	Septic shock-3 vs 2: an analysis of the ALBIOS study. <i>Critical Care</i> , 2018 , 22, 237	10.8	10
127	Daily nursing care on patients undergoing venous-venous extracorporeal membrane oxygenation: a challenging procedure!. <i>Journal of Artificial Organs</i> , 2016 , 19, 343-349	1.8	9
126	Persistence of Central Venous Oxygen Desaturation During Early Sepsis Is Associated With Higher Mortality: A Retrospective Analysis of the ALBIOS Trial. <i>Chest</i> , 2018 , 154, 1291-1300	5.3	9

125	Sepsis: needs for defining severity. <i>Intensive Care Medicine</i> , 2015 , 41, 551-2	14.5	9
124	Emergency system prospective performance evaluation for cardiac arrest in Lombardia, an Italian region. <i>Resuscitation</i> , 2002 , 55, 247-54	4	9
123	D-dimer corrected for thrombin and plasmin generation is a strong predictor of mortality in patients with sepsis. <i>Blood Transfusion</i> , 2020 , 18, 304-311	3.6	9
122	Gravitational distribution of regional opening and closing pressures, hysteresis and atelectrauma in ARDS evaluated by electrical impedance tomography. <i>Critical Care</i> , 2020 , 24, 622	10.8	9
121	Short-term Physiologic Consequences of Regional Pulmonary Vascular Occlusion in Pigs. <i>Anesthesiology</i> , 2019 , 131, 336-343	4.3	9
120	Safety of anesthesia for children with mucopolysaccharidoses: A retrospective analysis of 54 patients. <i>Paediatric Anaesthesia</i> , 2018 , 28, 436-442	1.8	8
119	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
118	Continuous flow biphasic positive airway pressure by helmet in patients with acute hypoxic respiratory failure: effect on oxygenation. <i>Intensive Care Medicine</i> , 2010 , 36, 1688-94	14.5	8
117	Extravascular lung water as a predictor of mortality in acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2008 , 36, 2220-1; author reply 2221-2	1.4	8
116	Hemodynamic instability after cardiac surgery: transesophageal echocardiographic diagnosis of a localized pericardial tamponade. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2005 , 19, 775-6	2.1	8
115	Prone positioning of patients with acute respiratory failure. <i>New England Journal of Medicine</i> , 2002 , 346, 295-7	59.2	8
114	Reverse-thrust ventilation in hypercapnic patients with acute respiratory distress syndrome. Acute physiological effects. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000 , 162, 363-8	10.2	8
113	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
112	ECMO for intractable status asthmaticus following atracurium. <i>Journal of Artificial Organs</i> , 2017 , 20, 178-181	1.8	7
111	Assessment of Airway Driving Pressure and Respiratory System Mechanics during Neurally Adjusted Ventilatory Assist. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 200, 785-788	10.2	7
110	Effects on membrane lung gas exchange of an intermittent high gas flow recruitment maneuver: preliminary data in veno-venous ECMO patients. <i>Journal of Artificial Organs</i> , 2015 , 18, 213-9	1.8	7
109	Relationship Between Viremia and Specific Organ Damage in Ebola Patients: A Cohort Study. <i>Clinical Infectious Diseases</i> , 2018 , 66, 36-44	11.6	7
108	Gastrointestinal colonization with multidrug-resistant Gram-negative bacteria during extracorporeal membrane oxygenation: effect on the risk of subsequent infections and impact on patient outcome. <i>Annals of Intensive Care</i> , 2019 , 9, 141	8.9	7

107	Nursing Management of Prone Positioning in Patients With COVID-19. <i>Critical Care Nurse</i> , 2021 , 41, 27-35.6	7
106	Quality of Life of Adult Survivors After Extra Corporeal Membrane Oxygenation (ECMO): A Quantitative Study. <i>Dimensions of Critical Care Nursing</i> , 2018 , 37, 12-17	1.9 7
105	Impact of the COVID-19 outbreak on severe trauma trends and healthcare system reassessment in Lombardia, Italy: an analysis from the regional trauma registry. <i>World Journal of Emergency Surgery</i> , 2021 , 16, 39	9.2 7
104	Veno-venous extracorporeal membrane oxygenation in acute respiratory distress syndrome: should the EOLIA Study results change our clinical approach?. <i>Minerva Anestesiologica</i> , 2019 , 85, 909-913	1.9 6
103	Spontaneous Breathing Patterns During Maximum Extracorporeal CO Removal in Subjects With Early Severe ARDS. <i>Respiratory Care</i> , 2020 , 65, 911-919	2.1 6
102	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
101	Noninvasive assessment of airflows by electrical impedance tomography in intubated hypoxemic patients: an exploratory study. <i>Annals of Intensive Care</i> , 2019 , 9, 83	8.9 6
100	Caesarean delivery of a patient with truncus arteriosus. <i>International Journal of Obstetric Anesthesia</i> , 1997 , 6, 279-84	2.1 6
99	Tracheal and alveolar gas composition during low-frequency positive pressure ventilation with extracorporeal CO ₂ -removal (LFPPV-ECCO ₂ R). <i>Intensive Care Medicine</i> , 1985 , 11, 213-7	14.5 6
98	Effects of a physiotherapeutic program in patients on veno-venous extracorporeal membrane oxygenation: an 8-year single-center experience. <i>Minerva Anestesiologica</i> , 2019 , 85, 989-994	1.9 6
97	Key Role of Respiratory Quotient to Reduce the Occurrence of Hypoxemia During Extracorporeal Gas Exchange: A Theoretical Analysis. <i>Critical Care Medicine</i> , 2020 , 48, e1327-e1331	1.4 6
96	Time-Course of Physiologic Variables During Extracorporeal Membrane Oxygenation and Outcome of Severe Acute Respiratory Distress Syndrome. <i>ASAIO Journal</i> , 2020 , 66, 663-670	3.6 6
95	Practical Clinical Application of an Extracorporeal Carbon Dioxide Removal System in Acute Respiratory Distress Syndrome and Acute on Chronic Respiratory Failure. <i>ASAIO Journal</i> , 2020 , 66, 691-697	3.6 6
94	An appraisal of respiratory system compliance in mechanically ventilated covid-19 patients. <i>Critical Care</i> , 2021 , 25, 199	10.8 6
93	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
92	Antithrombin supplementation during extracorporeal membrane oxygenation: study protocol for a pilot randomized clinical trial. <i>Trials</i> , 2019 , 20, 349	2.8 5
91	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
90	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

89	Application of guidelines for severe head trauma: data from an Italian database. <i>European Journal of Emergency Medicine</i> , 2003 , 10, 68-72	2.3	5
88	Translaryngeal tracheostomy in acute respiratory distress syndrome patients. <i>Intensive Care Medicine</i> , 2002 , 28, 726-30	14.5	5
87	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
86	Intravenous fluid therapy for hospitalized and critically ill children: rationale, available drugs and possible side effects. <i>Anaesthesiology Intensive Therapy</i> , 2018 , 50, 49-58	1.7	5
85	Intraoperative extracorporeal membrane oxygenation for lung transplantation in cystic fibrosis patients: Predictors and impact on outcome. <i>Journal of Cystic Fibrosis</i> , 2020 , 19, 659-665	4.1	5
84	Nasal high flow higher than 60L/min in patients with acute hypoxemic respiratory failure: a physiological study. <i>Critical Care</i> , 2020 , 24, 654	10.8	5
83	Chest X-ray findings in a large cohort of 1117 patients with SARS-CoV-2 infection: a multicenter study during COVID-19 outbreak in Italy. <i>Internal and Emergency Medicine</i> , 2021 , 16, 1173-1181	3.7	5
82	A Community-Based Model to the COVID-19 Humanitarian Crisis. <i>Frontiers in Cellular and Infection Microbiology</i> , 2021 , 11, 639579	5.9	5
81	Microbiological colonization of healthcare workers' mobile phones in a tertiary-level Italian intensive care unit. <i>Intensive and Critical Care Nursing</i> , 2019 , 52, 17-21	3.1	4
80	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
79	Extubation during pediatric extracorporeal membrane oxygenation: is it always safe?. <i>Pediatric Critical Care Medicine</i> , 2015 , 16, 493-4	3	4
78	Pain control with ultrasound-guided inguinal field block compared with spinal anesthesia after hernia surgery: a randomized trial. <i>Surgery</i> , 2015 , 157, 304-11	3.6	4
77	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
76	Early stroke care in Italy--a steep way ahead: an observational study. <i>Emergency Medicine Journal</i> , 2006 , 23, 608-11	1.5	4
75	Extracorporeal circulation for acute respiratory failure. <i>Intensive Care Medicine</i> , 2001 , 27, 934-6	14.5	4
74	Indication for Venovenous Extracorporeal Membrane Oxygenation: Is 65 Years Old, Too Old?. <i>ASAIO Journal</i> , 2021 , 67, e55	3.6	4
73	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
72	Ion-Exchange Resin Anticoagulation (I-ERA): A Novel Extracorporeal Technique for Regional Anticoagulation. <i>Shock</i> , 2016 , 46, 304-11	3.4	4

71	Sedation and general anesthesia for patients with Cornelia De Lange syndrome: A case series. <i>American Journal of Medical Genetics, Part C: Seminars in Medical Genetics</i> , 2016 , 172, 222-8	3.1	4
70	Low noncarbonic buffer power amplifies acute respiratory acid-base disorders in patients with sepsis: an in vitro study. <i>Journal of Applied Physiology</i> , 2021 , 131, 464-473	3.7	4
69	The concept of Baby lung 2006 , 303-311		4
68	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
67	Oxygenation during general anesthesia and thoracic surgery in a patient with Titusville low-oxygen affinity hemoglobin. <i>Journal of Applied Physiology</i> , 2019 , 126, 810-814	3.7	3
66	Psoas compartment block for anaesthesia during surgical repair of inguinal hernias. <i>British Journal of Anaesthesia</i> , 2013 , 111, 298-9	5.4	3
65	Transpulmonary pressure at functional residual capacity. <i>Critical Care Medicine</i> , 2013 , 41, e9	1.4	3
64	Bronchopleural fistulae and pulmonary ossification in posttraumatic acute respiratory distress syndrome: successful treatment with extracorporeal support. <i>ASAIO Journal</i> , 2011 , 57, 336-40	3.6	3
63	A systematic approach to substernal epicardial echocardiographic examination. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2007 , 21, 237-42	2.1	3
62	Prospective performance evaluation of emergency medical services for cardiac arrest in Lombardia: is something moving forward?. <i>European Journal of Emergency Medicine</i> , 2006 , 13, 192-6	2.3	3
61	Oesophageal balloon calibration during pressure support ventilation: a proof of concept study. <i>Journal of Clinical Monitoring and Computing</i> , 2020 , 34, 1223-1231	2	3
60	Sigh in Patients With Acute Hypoxemic Respiratory Failure and ARDS: The PROTECTION Pilot Randomized Clinical Trial. <i>Chest</i> , 2021 , 159, 1426-1436	5.3	3
59	Outcome prediction during an ICU surge using a purely data-driven approach: A supervised machine learning case-study in critically ill patients from COVID-19 Lombardy outbreak. <i>International Journal of Medical Informatics</i> , 2022 , 164, 104807	5.3	3
58	Reply: "A Word of Caution Regarding Patient Self-inflicted Lung Injury and Prophylactic Intubation" and "Hyperventilation (Not Ventilator)-induced Lung Injury". <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 937-938	10.2	2
57	Extracorporeal CO2 removal: a powerful tool to be handled with care. <i>Minerva Anestesiologica</i> , 2017 , 83, 682-684	1.9	2
56	Neurally Adjusted Ventilatory Assist (NAVA) Improves Patient-Ventilator Interaction In Severe ARDS Patients Undergoing ECMO 2011 ,		2
55	High Flow Nasal Oxygen for Severe Hypoxemia: Oxygenation Response and Outcome in COVID-19 Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 ,	10.2	2
54	Muscle strength and functional outcome after prone positioning in COVID-19 ICU survivors. <i>Intensive and Critical Care Nursing</i> , 2021 , 69, 103160	3.1	2

53	Newer Indications for ECMO: Pulmonary Embolism, Pulmonary Hypertension, Septic Shock and Trauma 2014 , 179-192		2
52	ECMO for Ischemic Cardiogenic Shock 2014 , 105-116		2
51	Preparedness of ICU networks for pandemics. <i>Current Opinion in Critical Care</i> , 2021 , 27, 13-19	3.5	2
50	Death in hospital following ICU discharge: insights from the LUNG SAFE study. <i>Critical Care</i> , 2021 , 25, 144	10.8	2
49	Effect of intra-arrest trans-nasal evaporative cooling in out-of-hospital cardiac arrest: a pooled individual participant data analysis. <i>Critical Care</i> , 2021 , 25, 198	10.8	2
48	New susceptibility loci for severe COVID-19 by detailed GWAS analysis in European populations		2
47	Pulmonary volume-feedback and ventilatory pattern after bilateral lung transplantation using neurally adjusted ventilatory assist ventilation. <i>British Journal of Anaesthesia</i> , 2021 , 127, 143-152	5.4	2
46	Esophageal balloon calibration during Sigh: A physiologic, randomized, cross-over study. <i>Journal of Critical Care</i> , 2021 , 61, 125-132	4	2
45	Volatile Sedation for Acute Respiratory Distress Syndrome Patients on Venovenous Extracorporeal Membrane Oxygenation and Ultraprotective Ventilation 2021 , 3, e0310		2
44	Oral Care Protocols With Specialty Training Lead to Safe Oral Care Practices and Reduce Iatrogenic Bleeding in Extracorporeal Membrane Oxygenation Patients. <i>Dimensions of Critical Care Nursing</i> , 2018 , 37, 285-293	1.9	2
43	Compassionate use of anti-IL6 receptor antibodies in critically ill patients with acute respiratory distress syndrome due to SARS-CoV-2. <i>Minerva Anestesiologica</i> , 2021 , 87, 1080-1090	1.9	2
42	Spatial orientation and mechanical properties of the human trachea: a computed tomography study. <i>Respiratory Care</i> , 2015 , 60, 561-6	2.1	1
41	Induction Dosage of Propofol for Repeated Sedations in Children With Hematological Disorders. <i>Journal of Pediatric Hematology/Oncology</i> , 2018 , 40, e295-e298	1.2	1
40	Regional Lung Strain and Inflammation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012 , 185, 229-230	10.2	1
39	Clinical pharmacological and therapeutic considerations in general intensive care. A review. <i>Drugs</i> , 1987 , 34, 662-94	12.1	1
38	A Minimally Invasive and Highly Effective Extracorporeal CO2 Removal Device Combined With a Continuous Renal Replacement Therapy.. <i>Critical Care Medicine</i> , 2022 ,	1.4	1
37	Extracorporeal membrane oxygenation for COVID-19 and influenza H1N1 associated acute respiratory distress syndrome: a multicenter retrospective cohort study.. <i>Critical Care</i> , 2022 , 26, 34	10.8	1
36	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

35	Using video presentation to recruit healthcare workers during COVID-19 pandemic. <i>Acta Biomedica</i> , 2020 , 91, ahead of print	3.2	1
34	Tissue hypoxia 1996 , 22, 1250		1
33	Newer Indications and Challenges 2014 , 463-472		1
32	Interdependence between elevated intra-abdominal, pleural, and airway opening pressure in severe acute respiratory distress syndrome with extracorporeal membrane oxygenation. <i>British Journal of Anaesthesia</i> , 2020 , 125, e371-e373	5.4	1
31	Quantification of Recirculation During Veno-Venous Extracorporeal Membrane Oxygenation: In Vitro Evaluation of a Thermodilution Technique. <i>ASAIO Journal</i> , 2021 ,	3.6	1
30	Alkaline Liquid Ventilation of the Membrane Lung for Extracorporeal Carbon Dioxide Removal (ECCOR): In Vitro Study. <i>Membranes</i> , 2021 , 11,	3.8	1
29	Extracorporeal Membrane Oxygenation for Pulmonary Support 2019 , 1183-1190.e2		1
28	Pressure support ventilation + sigh in acute hypoxemic respiratory failure patients: study protocol for a pilot randomized controlled trial, the PROTECTION trial. <i>Trials</i> , 2018 , 19, 460	2.8	1
27	Addition of 5% CO to Inspiratory Gas Prevents Lung Injury in an Experimental Model of Pulmonary Artery Ligation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021 , 204, 933-942	10.2	1
26	Severe diaphragmatic dysfunction with preserved activity of accessory respiratory muscles in a critically ill child: a case report of failure of neurally adjusted ventilatory assist (NAVA) and successful support with pressure support ventilation (PSV). <i>BMC Pediatrics</i> , 2019 , 19, 155	2.6	0
25	The last sigh and the death knell: a view on lung hyperinflation from a millennium ago. <i>Minerva Anesthesiologica</i> , 2017 , 83, 994-995	1.9	0
24	Respiratory Drive in Patients with Sepsis and Septic Shock: Modulation by High-flow Nasal Cannula. <i>Anesthesiology</i> , 2021 , 135, 1066-1075	4.3	0
23	Quality of dying in hospital general wards: a cross-sectional study about the end-of-life care. <i>BMC Palliative Care</i> , 2021 , 20, 153	3	0
22	Physiologic Effects of Pulmonary Artery Occlusion: Reply. <i>Anesthesiology</i> , 2020 , 132, 935-936	4.3	0
21	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
20	Right Ventricle Dysfunction in Patients With Adult Cystic Fibrosis Enlisted for Lung Transplant. <i>Transplantation Proceedings</i> , 2021 , 53, 260-264	1.1	0
19	Time to active sitting position: One-year findings from a temporary COVID-19 intensive care unit.. <i>Respiratory Medicine</i> , 2022 , 194, 106773	4.6	0
18	Extracorporeal Support of Gas Exchange 2016 , 1794-1806.e2		

17	In ARDS. <i>Lessons From the ICU</i> , 2019 , 419-437	0.1
16	Dissociation between the brain target and respiratory capacity in critically ill patients. Authors' reply. <i>Intensive Care Medicine</i> , 2020 , 46, 1079-1080	14.5
15	The authors reply. <i>Critical Care Medicine</i> , 2018 , 46, e172-e173	1.4
14	L1-2 roots block with psoas compartment block: reply from the authors?. <i>British Journal of Anaesthesia</i> , 2014 , 112, 591-3	5.4
13	Ventilatory Management of ARDS Before and During ECMO 2014 , 239-248	
12	A High Significance Level after Analysis of Covariance in a Small-group Study?. <i>Anesthesiology</i> , 2011 , 114, 1244-1244	4.3
11	(18)-F-fluorodeoxyglucose positron emission tomography/computed tomography study in acute lung injury/acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2010 , 38, 348	1.4
10	The role of total static lung compliance in the management of severe ARDS responsive to conventional therapy. <i>Intensive Care Medicine</i> , 1985 , 11, 163-4	14.5
9	The editor, <i>Intensive care medicine</i> □ <i>Intensive Care Medicine</i> , 1983 , 9, 100-102	14.5
8	Potential Carry-over Effect Because of Non-randomization of Intervention Order. <i>Critical Care Medicine</i> , 2000 , 28, 909	1.4
7	How to Open the Lung? The Unsolved Question. <i>Anesthesiology</i> , 2000 , 93, 1155-1155	4.3
6	Laparoscopy Is Contraindicated in Neurotrauma Patients? There Is Certainly a Doubt!. <i>Critical Care Medicine</i> , 2002 , 30, 2403	1.4
5	Extracorporeal Membrane Oxygenation and Renal Function 2019 , 751-754.e2	
4	Ventilator Management During ECLS. <i>Respiratory Medicine</i> , 2016 , 163-180	0.2
3	The concept of Baby lung 2009 , 375-383	
2	Performance of different continuous positive airway pressure helmets equipped with safety valves during failure of fresh gas supply 2012 , 189-193	
1	Case Report: Late-Onset Congenital Adrenal Hyperplasia and Acute Covid-19 Infection in a Pregnant Woman: Multidisciplinary Management. <i>Frontiers in Endocrinology</i> , 2020 , 11, 602535	5.7