

Luciano Gattinoni

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.

369
papers

44,925
citations

91
h-index

207
g-index

430
ext. papers

55,186
ext. citations

9.3
avg. IF

7.72
L-index

#	Paper	IF	Citations
369	Lung recruitment in patients with the acute respiratory distress syndrome. <i>New England Journal of Medicine</i> , 2006 , 354, 1775-86	59.2	3664
368	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
367	Incidence and prognosis of intraabdominal hypertension in a mixed population of critically ill patients: a multiple-center epidemiological study. <i>Critical Care Medicine</i> , 2005 , 33, 315-22	1.4	1717
366	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
365	Anemia and blood transfusion in critically ill patients. <i>JAMA - Journal of the American Medical Association</i> , 2002 , 288, 1499-507	27.4	1157
364	Prevalence of intra-abdominal hypertension in critically ill patients: a multicentre epidemiological study. <i>Intensive Care Medicine</i> , 2004 , 30, 822-9	14.5	1079
363	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
362	COVID-19 Does Not Lead to a "Typical" Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 1299-1300	10.2	790
361	The Berlin definition of ARDS: an expanded rationale, justification, and supplementary material. <i>Intensive Care Medicine</i> , 2012 , 38, 1573-82	14.5	788
360	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
359	Albumin replacement in patients with severe sepsis or septic shock. <i>New England Journal of Medicine</i> , 2014 , 370, 1412-21	59.2	677
358	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
357	Acute respiratory distress syndrome caused by pulmonary and extrapulmonary disease. Different syndromes?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1998 , 158, 3-11	10.2	651
356	What has computed tomography taught us about the acute respiratory distress syndrome?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 164, 1701-11	10.2	560
355	Tidal hyperinflation during low tidal volume ventilation in acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007 , 175, 160-6	10.2	545
354	Management of COVID-19 Respiratory Distress. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 323, 2329-2330	27.4	540
353	The rule regulating pH changes during crystalloid infusion. <i>Intensive Care Medicine</i> , 2011 , 37, 461-8	14.5	536

352	The concept of "baby lung". <i>Intensive Care Medicine</i> , 2005 , 31, 776-84	14.5	508
351	Relationships between lung computed tomographic density, gas exchange, and PEEP in acute respiratory failure. <i>Anesthesiology</i> , 1988 , 69, 824-32	4.3	501
350	Lung stress and strain during mechanical ventilation for acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008 , 178, 346-55	10.2	480
349	Recruitment and derecruitment during acute respiratory failure: a clinical study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 164, 131-40	10.2	475
348	Body position changes redistribute lung computed-tomographic density in patients with acute respiratory failure. <i>Anesthesiology</i> , 1991 , 74, 15-23	4.3	465
347	Effects of positive end-expiratory pressure on regional distribution of tidal volume and recruitment in adult respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1995 , 151, 1807-14	10.2	445
346	The Effects of Body Mass on Lung Volumes, Respiratory Mechanics, and Gas Exchange During General Anesthesia. <i>Anesthesia and Analgesia</i> , 1998 , 87, 654-660	3.9	431
345	Tidal volume lower than 6 ml/kg enhances lung protection: role of extracorporeal carbon dioxide removal. <i>Anesthesiology</i> , 2009 , 111, 826-35	4.3	424
344	Low-Frequency Positive-Pressure Ventilation With Extracorporeal CO ₂ Removal in Severe Acute Respiratory Failure. <i>JAMA - Journal of the American Medical Association</i> , 1986 , 256, 881	27.4	416
343	Recruitment and derecruitment during acute respiratory failure: an experimental study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001 , 164, 122-30	10.2	408
342	Low-frequency positive-pressure ventilation with extracorporeal CO ₂ removal in severe acute respiratory failure. <i>JAMA - Journal of the American Medical Association</i> , 1986 , 256, 881-886	27.4	393
341	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
340	Vertical gradient of regional lung inflation in adult respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1994 , 149, 8-13	10.2	372
339	Effects of the prone position on respiratory mechanics and gas exchange during acute lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1998 , 157, 387-93	10.2	365
338	Equal increases in respiratory system elastance reflect similar lung damage in experimental ventilator-induced lung injury. <i>Intensive Care Medicine</i> , 2002 , 28, 196-203	14.5	364
337	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
336	Positive end-expiratory pressure improves respiratory function in obese but not in normal subjects during anesthesia and paralysis. <i>Anesthesiology</i> , 1999 , 91, 1221-31	4.3	322
335	Ventilator-related causes of lung injury: the mechanical power. <i>Intensive Care Medicine</i> , 2016 , 42, 1567-1575	14.5	318

334	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
333	Total respiratory system, lung, and chest wall mechanics in sedated-paralyzed postoperative morbidly obese patients. <i>Chest</i> , 1996 , 109, 144-51	5.3	306
332	Regional effects and mechanism of positive end-expiratory pressure in early adult respiratory distress syndrome. <i>JAMA - Journal of the American Medical Association</i> , 1993 , 269, 2122-2127	27.4	301
331	Sigh in acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999 , 159, 872-80	10.2	293
330	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
329	The American-European Consensus Conference on ARDS, part 2: Ventilatory, pharmacologic, supportive therapy, study design strategies, and issues related to recovery and remodeling. Acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1998 , 157, 1332-47	10.2	289
328	The prone position in ARDS patients. A clinical study. <i>Chest</i> , 1988 , 94, 103-7	5.3	288
327	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
326	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
325	Regional Effects and Mechanism of Positive End-Expiratory Pressure in Early Adult Respiratory Distress Syndrome. <i>JAMA - Journal of the American Medical Association</i> , 1993 , 269, 2122	27.4	243
324	Esophageal and transpulmonary pressure in the clinical setting: meaning, usefulness and perspectives. <i>Intensive Care Medicine</i> , 2016 , 42, 1360-73	14.5	234
323	Prone position in acute respiratory distress syndrome. Rationale, indications, and limits. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 188, 1286-93	10.2	231
322	Lung opening and closing during ventilation of acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 181, 578-86	10.2	226
321	Lung stress and strain during mechanical ventilation: any safe threshold?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 183, 1354-62	10.2	222
320	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	27.4	211
319	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
318	Adult respiratory distress syndrome profiles by computed tomography. <i>Journal of Thoracic Imaging</i> , 1986 , 1, 25-30	5.6	203
317	Respiratory system mechanics in sedated, paralyzed, morbidly obese patients. <i>Journal of Applied Physiology</i> , 1997 , 82, 811-8	3.7	202

316	Prone position in acute respiratory distress syndrome. <i>European Respiratory Journal</i> , 2002 , 20, 1017-28	13.6	198
315	Physical and biological triggers of ventilator-induced lung injury and its prevention. <i>European Respiratory Journal</i> , 2003 , 47, 15s-25s	13.6	196
314	Treatment of acute respiratory failure with low-frequency positive-pressure ventilation and extracorporeal removal of CO ₂ . <i>Lancet, The</i> , 1980 , 2, 292-4	4.0	196
313	Lung stress and strain during mechanical ventilation: any difference between statics and dynamics?. <i>Critical Care Medicine</i> , 2013 , 41, 1046-55	1.4	185
312	Lung inhomogeneity in patients with acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 149-58	10.2	184
311	Decrease in PaCO ₂ 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
310	Mechanical Power and Development of Ventilator-induced Lung Injury. <i>Anesthesiology</i> , 2016 , 124, 1100-8	4.3	182
309	An alternative to breathing. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1978 , 75, 261-266	1.5	175
308	Morphological response to positive end expiratory pressure in acute respiratory failure. Computerized tomography study. <i>Intensive Care Medicine</i> , 1986 , 12, 137-42	14.5	167
307	Pulmonary and extrapulmonary acute respiratory distress syndrome are different. <i>European Respiratory Journal</i> , 2003 , 42, 48s-56s	13.6	165
306	Control of breathing using an extracorporeal membrane lung. <i>Anesthesiology</i> , 1977 , 46, 138-41	4.3	160
305	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
304	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
303	Ventilator-induced lung injury: the anatomical and physiological framework. <i>Critical Care Medicine</i> , 2010 , 38, S539-48	1.4	150
302	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
301	An increase of abdominal pressure increases pulmonary edema in oleic acid-induced lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004 , 169, 534-41	10.2	146
300	ECMO criteria for influenza A (H1N1)-associated ARDS: role of transpulmonary pressure. <i>Intensive Care Medicine</i> , 2012 , 38, 395-403	14.5	140
299	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

298	Prone positioning improves survival in severe ARDS: a pathophysiologic review and individual patient meta-analysis. <i>Minerva Anestesiologica</i> , 2010 , 76, 448-54	1.9	135
297	Bench-to-bedside review: chest wall elastance in acute lung injury/acute respiratory distress syndrome patients. <i>Critical Care</i> , 2004 , 8, 350-5	10.8	134
296	Presepsin (soluble CD14 subtype) and procalcitonin levels for mortality prediction in sepsis: data from the Albumin Italian Outcome Sepsis trial. <i>Critical Care</i> , 2014 , 18, R6	10.8	132
295	The "baby lung" became an adult. <i>Intensive Care Medicine</i> , 2016 , 42, 663-673	14.5	131
294	Prone position delays the progression of ventilator-induced lung injury in rats: does lung strain distribution play a role?. <i>Critical Care Medicine</i> , 2005 , 33, 361-7	1.4	123
293	Low-frequency positive pressure ventilation with extracorporeal carbon dioxide removal (LFPPV-ECCO2R): an experimental study. <i>Anesthesia and Analgesia</i> , 1978 , 57, 470-7	3.9	120
292	Clinical review: Extracorporeal membrane oxygenation. <i>Critical Care</i> , 2011 , 15, 243	10.8	118
291	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
290	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
289	Bedside selection of positive end-expiratory pressure in mild, moderate, and severe acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2014 , 42, 252-64	1.4	109
288	"Awake" extracorporeal membrane oxygenation (ECMO): pathophysiology, technical considerations, and clinical pioneering. <i>Critical Care</i> , 2016 , 20, 150	10.8	103
287	Driving pressure and mechanical power: new targets for VILI prevention. <i>Annals of Translational Medicine</i> , 2017 , 5, 286	3.2	100
286	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
285	Albumin administration in the acutely ill: what is new and where next?. <i>Critical Care</i> , 2014 , 18, 231	10.8	98
284	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, 881-6	27.4	97
283	Physiological and quantitative CT-scan characterization of COVID-19 and typical ARDS: a matched cohort study. <i>Intensive Care Medicine</i> , 2020 , 46, 2187-2196	14.5	93
282	The future of mechanical ventilation: lessons from the present and the past. <i>Critical Care</i> , 2017 , 21, 183	10.8	92
281	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

280	Effects of the beach chair position, positive end-expiratory pressure, and pneumoperitoneum on respiratory function in morbidly obese patients during anesthesia and paralysis. <i>Anesthesiology</i> , 2007 , 107, 725-32	4.3	91
279	Mortality prediction in patients with severe septic shock: a pilot study using a target metabolomics approach. <i>Scientific Reports</i> , 2016 , 6, 20391	4.9	90
278	Circulating presepsin (soluble CD14 subtype) as a marker of host response in patients with severe sepsis or septic shock: data from the multicenter, randomized ALBIOS trial. <i>Intensive Care Medicine</i> , 2015 , 41, 12-20	14.5	89
277	How safe is gelatin? A systematic review and meta-analysis of gelatin-containing plasma expanders vs crystalloids and albumin. <i>Journal of Critical Care</i> , 2016 , 35, 75-83	4	89
276	Organ allocation waiting time during extracorporeal bridge to lung transplant affects outcomes. <i>Chest</i> , 2013 , 144, 1018-1025	5.3	86
275	Prone position in ARDS patients: why, when, how and for whom. <i>Intensive Care Medicine</i> , 2020 , 46, 2385-2396	27.96	85
274	Static and dynamic components of esophageal and central venous pressure during intra-abdominal hypertension. <i>Critical Care Medicine</i> , 2007 , 35, 1575-81	1.4	85
273	Lactate as a marker of energy failure in critically ill patients: hypothesis. <i>Critical Care</i> , 2005 , 9, 588-93	10.8	82
272	Clinical review: Respiratory monitoring in the ICU - a consensus of 16. <i>Critical Care</i> , 2012 , 16, 219	10.8	81
271	Imaging in acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2016 , 42, 686-698	14.5	79
270	0894. Time course of VILI development: a CT scan study. <i>Intensive Care Medicine Experimental</i> , 2014 , 2,	3.7	78
269	0990. Role of amplitude and rate of deformation in ventilator-induced lung injury. <i>Intensive Care Medicine Experimental</i> , 2014 , 2,	3.7	78
268	Effect of tidal volume and positive end-expiratory pressure on lung hysteresis of healthy piglets. <i>Critical Care</i> , 2014 , 18, P286	10.8	78
267	Compared values of presepsin (sCD14-ST) and procalcitonin as early markers of outcome in severe sepsis and septic shock: a preliminary report from the Albumin Italian Outcome Sepsis (ALBIOS) study. <i>Critical Care</i> , 2013 , 17,	10.8	78
266	Comparison between the standard and low-dose chest CT scans on the lung quantitative analysis in critically ill patients. <i>Critical Care</i> , 2013 , 17,	10.8	78
265	Urokinase-induced fibrinolysis in thromboelastography (UKIF-TEG) to assess fibrinolysis in critically ill patients. <i>Critical Care</i> , 2013 , 17,	10.8	78
264	Strong ion difference and arterial bicarbonate concentration as cornerstones of the impact of fluid therapy on acid-base balance. <i>Critical Care</i> , 2013 , 17,	10.8	78
263	Succinate ameliorates mitochondrial oxygen consumption of metformin-intoxicated human platelets. <i>Critical Care</i> , 2013 , 17,	10.8	78

262	18-FDG PET in lung transplantation. <i>Critical Care</i> , 2015 , 19, P257	10.8	78
261	ECMO in nonintubated patients as a bridge to lung transplant: our experience. <i>Critical Care</i> , 2012 , 16,	10.8	78
260	Continuous urinary electrolyte measurement in a swine model of mechanical ventilation. <i>Critical Care</i> , 2010 , 14, P523	10.8	78
259	Dilution with three different solutions: plasmatic effects and quantity and quality of urinary output. <i>Critical Care</i> , 2011 , 15,	10.8	78
258	Strain threshold for ventilator-induced lung injury. <i>Critical Care</i> , 2011 , 15,	10.8	78
257	Metformin increases skeletal muscle lactate production in pigs: a microdialysis study. <i>Critical Care</i> , 2011 , 15,	10.8	78
256	Relative influence of hypoxemia and anemia on the measurement of central venous oxygen saturation. <i>Critical Care</i> , 2007 , 11, P304	10.8	78
255	Stress and strain within the lung. <i>Current Opinion in Critical Care</i> , 2012 , 18, 42-7	3.5	75
254	The role of CT-scan studies for the diagnosis and therapy of acute respiratory distress syndrome. <i>Clinics in Chest Medicine</i> , 2006 , 27, 559-70; abstract vii	5.3	74
253	Anatomical and functional intrapulmonary shunt in acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2008 , 36, 669-75	1.4	73
252	Lung Recruitment Assessed by Respiratory Mechanics and Computed Tomography in Patients with Acute Respiratory Distress Syndrome. What Is the Relationship?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 193, 1254-63	10.2	71
251	Nitrogen washout/washin, helium dilution and computed tomography in the assessment of end expiratory lung volume. <i>Critical Care</i> , 2008 , 12, R150	10.8	70
250	Lung structure and function in different stages of severe adult respiratory distress syndrome. <i>JAMA - Journal of the American Medical Association</i> , 1994 , 271, 1772-9	27.4	69
249	Role of Strain Rate in the Pathogenesis of Ventilator-Induced Lung Edema. <i>Critical Care Medicine</i> , 2016 , 44, e838-45	1.4	68
248	Opening pressures and atelectrauma in acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2017 , 43, 603-611	14.5	67
247	The carbon dioxide membrane lung (CDML): a new concept. <i>ASAIO Journal</i> , 1977 , 23, 17-21	3.6	67
246	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
245	Positive end-expiratory pressure. <i>Current Opinion in Critical Care</i> , 2010 , 16, 39-44	3.5	63

244	Management of mechanical ventilation during laparoscopic surgery. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2010 , 24, 227-41	4	63
243	Respiratory support in patients with acute respiratory distress syndrome: an expert opinion. <i>Critical Care</i> , 2017 , 21, 240	10.8	62
242	Spontaneous Breathing during Extracorporeal Membrane Oxygenation in Acute Respiratory Failure. <i>Anesthesiology</i> , 2017 , 126, 678-687	4.3	61
241	The assessment of transpulmonary pressure in mechanically ventilated ARDS patients. <i>Intensive Care Medicine</i> , 2014 , 40, 1670-8	14.5	61
240	Oxygen consumption is depressed in patients with lactic acidosis due to biguanide intoxication. <i>Critical Care</i> , 2010 , 14, R22	10.8	61
239	Control of intermittent positive pressure breathing (IPPB) by extracorporeal removal of carbon dioxide. <i>British Journal of Anaesthesia</i> , 1978 , 50, 753-8	5.4	61
238	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
237	Regional effects and mechanism of positive end-expiratory pressure in early adult respiratory distress syndrome. <i>JAMA - Journal of the American Medical Association</i> , 1993 , 269, 2122-7	27.4	59
236	Ex vivo lung perfusion to improve donor lung function and increase the number of organs available for transplantation. <i>Transplant International</i> , 2014 , 27, 553-61	3	58
235	Physiologic rationale for ventilator setting in acute lung injury/acute respiratory distress syndrome patients. <i>Critical Care Medicine</i> , 2003 , 31, S300-4	1.4	58
234	Lung inhomogeneities and time course of ventilator-induced mechanical injuries. <i>Anesthesiology</i> , 2015 , 123, 618-27	4.3	56
233	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
232	Lung anatomy, energy load, and ventilator-induced lung injury. <i>Intensive Care Medicine Experimental</i> , 2015 , 3, 34	3.7	54
231	Inflammatory pulmonary edema and positive end-expiratory pressure: correlations between imaging and physiologic studies. <i>Journal of Thoracic Imaging</i> , 1988 , 3, 59-64	5.6	54
230	Sequential N-Terminal Pro-B-Type Natriuretic Peptide and High-Sensitivity Cardiac Troponin Measurements During Albumin Replacement in Patients With Severe Sepsis or Septic Shock. <i>Critical Care Medicine</i> , 2016 , 44, 707-16	1.4	53
229	Pulmonary microthrombosis in severe adult respiratory distress syndrome. <i>Critical Care Medicine</i> , 1988 , 16, 111-3	1.4	53
228	Acute respiratory distress syndrome. <i>Lancet, The</i> , 2021 , 398, 622-637	40	53
227	Understanding Lactatemia in Human Sepsis. Potential Impact for Early Management. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 200, 582-589	10.2	52

226	Prone Positioning in Acute Respiratory Distress Syndrome. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2019 , 40, 94-100	3.9	52
225	Tight glyceemic control may favor fibrinolysis in patients with sepsis. <i>Critical Care Medicine</i> , 2009 , 37, 424-34		52
224	Effects of carbon dioxide insufflation for laparoscopic cholecystectomy on the respiratory system. <i>Anaesthesia</i> , 1996 , 51, 744-9	6.6	52
223	Positive End-expiratory Pressure and Mechanical Power. <i>Anesthesiology</i> , 2019 , 130, 119-130	4.3	51
222	Relationship between gas exchange response to prone position and lung recruitability during acute respiratory failure. <i>Intensive Care Medicine</i> , 2009 , 35, 1011-7	14.5	51
221	Reclassifying Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018 , 197, 1586-1595	10.2	50
220	Lung recruitability is better estimated according to the Berlin definition of acute respiratory distress syndrome at standard 5 cm H2O rather than higher positive end-expiratory pressure: a retrospective cohort study. <i>Critical Care Medicine</i> , 2015 , 43, 781-90	1.4	48
219	Platelet Drop and Fibrinolytic Shutdown in Patients With Sepsis. <i>Critical Care Medicine</i> , 2018 , 46, e221-e228		48
218	Limits of normality of quantitative thoracic CT analysis. <i>Critical Care</i> , 2013 , 17, R93	10.8	48
217	Extracorporeal carbon dioxide removal (ECCO2R): a new form of respiratory assistance. <i>International Journal of Artificial Organs</i> , 1979 , 2, 183-5	1.9	48
216	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
215	Extracorporeal organ support (ECOS) in critical illness and acute kidney injury: from native to artificial organ crosstalk. <i>Intensive Care Medicine</i> , 2018 , 44, 1447-1459	14.5	46
214	Artificial lung as an alternative to mechanical ventilation in COPD exacerbation. <i>European Respiratory Journal</i> , 2012 , 39, 212-5	13.6	46
213	Pulmonary and extrapulmonary forms of acute respiratory distress syndrome. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2001 , 22, 259-68	3.9	46
212	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
211	Metformin overdose, but not lactic acidosis per se, inhibits oxygen consumption in pigs. <i>Critical Care</i> , 2012 , 16, R75	10.8	45
210	Metformin overdose causes platelet mitochondrial dysfunction in humans. <i>Critical Care</i> , 2012 , 16, R180	10.8	45
209	Propagation prevention: a complementary mechanism for "lung protective" ventilation in acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2008 , 36, 3252-8	1.4	45

208	The clinical use of albumin: the point of view of a specialist in intensive care. <i>Blood Transfusion</i> , 2009 , 7, 259-67	3.6	45
207	Static and Dynamic Contributors to Ventilator-induced Lung Injury in Clinical Practice. Pressure, Energy, and Power. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 201, 767-774	10.2	45
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