Luciano Gattinoni

List of Publications by Year in Descending Order

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	Pathophysiology of coronavirus-19 disease acute lung injury.. *Current Opinion in Critical Care*, **2022**, 28, 9-16	3.5	7
368	Mechanical power thresholds during mechanical ventilation: An experimental study.. *Physiological Reports*, **2022**, 10, e15225	2.6	1
367	Outcome of acute hypoxaemic respiratory failure: insights from the LUNG SAFE Study. *European Respiratory Journal*, **2021**, 57,	13.6	11
366	Mechanisms of oxygenation responses to proning and recruitment in COVID-19 pneumonia. *Intensive Care Medicine*, **2021**, 48, 56	14.5	6
365	COVID-19 pneumonia: pathophysiology and management. *European Respiratory Review*, **2021**, 30,	9.8	9
364	Intracycle power and ventilation mode as potential contributors to ventilator-induced lung injury. *Intensive Care Medicine Experimental*, **2021**, 9, 55	3.7	1
363	Prevalence and outcome of silent hypoxemia in COVID-19. *Minerva Anestesiologica*, **2021**, 87, 325-333	1.9	22
362	The impact of ventilation-perfusion inequality in COVID-19: a computational model. *Journal of Applied Physiology*, **2021**, 130, 865-876	3.7	23
361	Intra-cycle power: is the flow profile a neglected component of lung protection?. *Intensive Care Medicine*, **2021**, 47, 609-611	14.5	5
360	End-tidal to arterial PCO ratio: a bedside meter of the overall gas exchanger performance. *Intensive Care Medicine Experimental*, **2021**, 9, 21	3.7	2
359	Death in hospital following ICU discharge: insights from the LUNG SAFE study. *Critical Care*, **2021**, 25, 144	10.8	2
358	Reply to Tobin : Respiratory Drive Measurements Do Not Signify Conjectural Patient Self-inflicted Lung Injury. *American Journal of Respiratory and Critical Care Medicine*, **2021**, 203, 143-144	10.2	3
357	COVID-19 and ARDS: the baby lung size matters. *Intensive Care Medicine*, **2021**, 47, 133-134	14.5	13
356	Pathophysiology of COVID-19-associated acute respiratory distress syndrome. *Lancet Respiratory Medicine,the*, **2021**, 9, e1	35.1	13
355	"Established" Respiratory Treatment in Acute Respiratory Distress Syndrome: Scientific Rigor or a Square Peg in a Round Hole?. *American Journal of Respiratory and Critical Care Medicine*, **2021**, 203, 779	10.2	
354	Mobilizing Carbon Dioxide Stores. An Experimental Study. *American Journal of Respiratory and Critical Care Medicine*, **2021**, 203, 318-327	10.2	6
353	Complexity and unanswered questions in the pathophysiology of COVID-19 ARDS. *Intensive Care Medicine*, **2021**, 47, 495-496	14.5	3

352	Endothelial damage in septic shock patients as evidenced by circulating syndecan-1, sphingosine-1-phosphate and soluble VE-cadherin: a substudy of ALBIOS. *Critical Care*, **2021**, 25, 113	10.8	10
351	Personalized mechanical ventilation in acute respiratory distress syndrome. *Critical Care*, **2021**, 25, 250	10.8	22
350	The 4DPRR Index and Mechanical Power: A Step Ahead or Four Steps Backward?. *American Journal of Respiratory and Critical Care Medicine*, **2021**, 204, 491-492	10.2	2
349	Albumin Oxidation Status in Sepsis Patients Treated With Albumin or Crystalloids. *Frontiers in Physiology*, **2021**, 12, 682877	4.6	1
348	Acute respiratory distress syndrome. *Lancet, The*, **2021**, 398, 622-637	40	53
347	Low noncarbonic buffer power amplifies acute respiratory acid-base disorders in patients with sepsis: an in vitro study. *Journal of Applied Physiology*, **2021**, 131, 464-473	3.7	4
346	Role of total lung stress on the progression of early COVID-19 pneumonia. *Intensive Care Medicine*, **2021**, 47, 1130-1139	14.5	12
345	Isn₹ it time to abandon ARDS? The COVID-19 lesson. *Critical Care*, **2021**, 25, 326	10.8	5
344	Role of Fluid and Sodium Retention in Experimental Ventilator-Induced Lung Injury. *Frontiers in Physiology*, **2021**, 12, 743153	4.6	1
343	Using Artificial Intelligence for Automatic Segmentation of CT Lung Images in Acute Respiratory Distress Syndrome. *Frontiers in Physiology*, **2021**, 12, 676118	4.6	1
342	Standardised PaO/FiO ratio in COVID-19: Added value or risky assumptions?. *European Journal of Internal Medicine*, **2021**, 92, 31-33	3.9	3
341	Prone position in ARDS patients: why, when, how and for whom. *Intensive Care Medicine*, **2020**, 46, 2385-2396	14.5	85
340	Fluid administration and monitoring in ARDS: which management?. *Intensive Care Medicine*, **2020**, 46, 2252-2264	14.5	27
339	Reply by Zanella to Swenson. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 202, 908-909	10.2	1
338	From phenotypes to black holes and back. *Intensive Care Medicine*, **2020**, 46, 1498-1499	14.5	0
337	Learning from mistakes during the pandemic: the Lombardy lesson. *Intensive Care Medicine*, **2020**, 46, 1622-1623	14.5	12
336	"Less is More" in mechanical ventilation. *Intensive Care Medicine*, **2020**, 46, 780-782	14.5	9
335	Changes in shunt, ventilation/perfusion mismatch, and lung aeration with PEEP in patients with ARDS: a prospective single-arm interventional study. *Critical Care*, **2020**, 24, 111	10.8	20

334	COVID-19 Does Not Lead to a "Typical" Acute Respiratory Distress Syndrome. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 201, 1299-1300	10.2	790
333	Identification of pathophysiological patterns for triage and respiratory support in COVID-19. *Lancet Respiratory Medicine,the*, **2020**, 8, 752-754	35.1	31
332	COVID-19 phenotypes: leading or misleading?. *European Respiratory Journal*, **2020**, 56,	13.6	9
331	Estimating the Damaging Power of High-Stress Ventilation. *Respiratory Care*, **2020**, 65, 1046-1052	2.1	1
330	Reply by Gattinoni to Hedenstierna , to Maley , to Fowler , to Bhatia and Mohammed, to Bos, to Koumbourlis and Motoyama, and to Haouzi. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 202, 628-630	10.2	7
329	Body Position Alters Mechanical Power and Respiratory Mechanics During Thoracic Surgery. *Anesthesia and Analgesia*, **2020**, 130, 391-401	3.9	7
328	Management of COVID-19 Respiratory Distress. *JAMA - Journal of the American Medical Association*, **2020**, 323, 2329-2330	27.4	540
327	Spontaneous breathing, transpulmonary pressure and mathematical trickery. *Annals of Intensive Care*, **2020**, 10, 88	8.9	23
326	COVID-19: scientific reasoning, pragmatism and emotional bias. *Annals of Intensive Care*, **2020**, 10, 134	8.9	5
325	Monitoring lung impedance changes during long-term ventilator-induced lung injury ventilation using electrical impedance tomography. *Physiological Measurement*, **2020**, 41, 095011	2.9	2
324	D-dimer corrected for thrombin and plasmin generation is a strong predictor of mortality in patients with sepsis. *Blood Transfusion*, **2020**, 18, 304-311	3.6	9
323	Does Iso-mechanical Power Lead to Iso-lung Damage?: An Experimental Study in a Porcine Model. *Anesthesiology*, **2020**, 132, 1126-1137	4.3	17
322	Extracorporeal Membrane Oxygenation for Respiratory Failure. *Anesthesiology*, **2020**, 132, 1257-1276	4.3	18
321	Static and Dynamic Contributors to Ventilator-induced Lung Injury in Clinical Practice. Pressure, Energy, and Power. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 201, 767-774	10.2	45
320	Time-Course of Physiologic Variables During Extracorporeal Membrane Oxygenation and Outcome of Severe Acute Respiratory Distress Syndrome. *ASAIO Journal*, **2020**, 66, 663-670	3.6	6
319	Determinants of the esophageal-pleural pressure relationship in humans. *Journal of Applied Physiology*, **2020**, 128, 78-86	3.7	5
318	Pentraxin-3, Troponin T, N-Terminal Pro-B-Type Natriuretic Peptide in Septic Patients. *Shock*, **2020**, 54, 675-680	3.4	1
317	Physiological and quantitative CT-scan characterization of COVID-19 and typical ARDS: a matched cohort study. *Intensive Care Medicine*, **2020**, 46, 2187-2196	14.5	93

316	How to ventilate obese patients in the ICU. *Intensive Care Medicine*, **2020**, 46, 2423-2435	14.5	22
315	Randomized controlled multicentre study of albumin replacement therapy in septic shock (ARISS): protocol for a randomized controlled trial. *Trials*, **2020**, 21, 1002	2.8	1
314	Intravenous fluid therapy in the perioperative and critical care setting: Executive summary of the International Fluid Academy (IFA). *Annals of Intensive Care*, **2020**, 10, 64	8.9	40
313	Time Course of Evolving Ventilator-Induced Lung Injury: The "Shrinking Baby Lung". *Critical Care Medicine*, **2020**, 48, 1203-1209	1.4	17
312	Extracorporeal Chloride Removal by Electrodialysis. A Novel Approach to Correct Acidemia. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 201, 799-813	10.2	9
311	Gas exchange calculation may estimate changes in pulmonary blood flow during veno-arterial extracorporeal membrane oxygenation in a porcine model. *American Journal of Physiology - Lung Cellular and Molecular Physiology*, **2020**, 318, L1211-L1221	5.8	5
310	Extracorporeal CO2 Removal: The Minimally Invasive Approach, Theory, and Practice. *Critical Care Medicine*, **2019**, 47, 33-40	1.4	23
309	Reply to Nalos and Robergs and to De Backer and Vincent. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 200, 1071-1072	10.2	
308	Extracorporeal gas exchange: when to start and how to end?. *Critical Care*, **2019**, 23, 203	10.8	18
307	Understanding Lactatemia in Human Sepsis. Potential Impact for Early Management. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 200, 582-589	10.2	52
306	Prone Positioning in Acute Respiratory Distress Syndrome. *Seminars in Respiratory and Critical Care Medicine*, **2019**, 40, 94-100	3.9	52
305	Positive End-expiratory Pressure and Mechanical Power. *Anesthesiology*, **2019**, 130, 119-130	4.3	51
304	Tailoring the cure: still science fiction?. *Journal of Thoracic Disease*, **2019**, 11, E32-E33	2.6	
303	Oxygen Delivery. *Lessons From the ICU*, **2019**, 81-96	0.1	
302	Venous and arterial base excess difference: methodological error or physiological reality?. *Intensive Care Medicine*, **2019**, 45, 1686-1687	14.5	2
301	Targeting transpulmonary pressure to prevent ventilator-induced lung injury. *Expert Review of Respiratory Medicine*, **2019**, 13, 737-746	3.8	17
300	Mechanical power at a glance: a simple surrogate for volume-controlled ventilation. *Intensive Care Medicine Experimental*, **2019**, 7, 61	3.7	25
299	Respiratory Mechanics, Lung Recruitability, and Gas Exchange in Pulmonary and Extrapulmonary Acute Respiratory Distress Syndrome. *Critical Care Medicine*, **2019**, 47, 792-799	1.4	14

298	Quality of Life and Lung Function in Survivors of Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome. *Anesthesiology*, **2019**, 130, 572-580	4.3	18
297	Intraoperative hypotension is not associated with postoperative cognitive dysfunction in elderly patients undergoing general anesthesia for surgery: results of a randomized controlled pilot trial. *Journal of Clinical Anesthesia*, **2019**, 52, 111-118	1.9	29
296	Low D-dimer levels in sepsis: Good or bad?. *Thrombosis Research*, **2019**, 174, 13-15	8.2	17
295	Prognostic Value of Secretoneurin in Patients With Severe Sepsis and Septic Shock: Data From the Albumin Italian Outcome Sepsis Study. *Critical Care Medicine*, **2018**, 46, e404-e410	1.4	18
294	Reclassifying Acute Respiratory Distress Syndrome. *American Journal of Respiratory and Critical Care Medicine*, **2018**, 197, 1586-1595	10.2	50
293	Platelet Drop and Fibrinolytic Shutdown in Patients With Sepsis. *Critical Care Medicine*, **2018**, 46, e221-e228	7.4	48
292	An Innovative Approach for The Integration of Proteomics and Metabolomics Data In Severe Septic Shock Patients Stratified for Mortality. *Scientific Reports*, **2018**, 8, 6681	4.9	19
291	Understanding blood gas analysis. *Intensive Care Medicine*, **2018**, 44, 91-93	14.5	20
290	Intensive care medicine in 2050: ventilator-induced lung injury. *Intensive Care Medicine*, **2018**, 44, 76-78	14.5	12
289	Persistence of Central Venous Oxygen Desaturation During Early Sepsis Is Associated With Higher Mortality: A Retrospective Analysis of the ALBIOS Trial. *Chest*, **2018**, 154, 1291-1300	5.3	9
288	Last Word on Viewpoint: Looking beyond macrovenitlatory parameters and rethinking ventilator-induced lung injury. *Journal of Applied Physiology*, **2018**, 124, 1220-1221	3.7	2
287	Extracorporeal organ support (ECOS) in critical illness and acute kidney injury: from native to artificial organ crosstalk. *Intensive Care Medicine*, **2018**, 44, 1447-1459	14.5	46
286	Circulating Proenkephalin, Acute Kidney Injury, and Its Improvement in Patients with Severe Sepsis or Shock. *Clinical Chemistry*, **2018**, 64, 1361-1369	5.5	20
285	Positional effects on the distributions of ventilation and end-expiratory gas volume in the asymmetric chest-a quantitative lung computed tomographic analysis. *Intensive Care Medicine Experimental*, **2018**, 6, 9	3.7	1
284	Thromboelastography-based anticoagulation management during extracorporeal membrane oxygenation: a safety and feasibility pilot study. *Annals of Intensive Care*, **2018**, 8, 7	8.9	54
283	Determinants and Prevention of Ventilator-Induced Lung Injury. *Critical Care Clinics*, **2018**, 34, 343-356	4.5	16
282	Extracorporeal Gas Exchange. *Critical Care Clinics*, **2018**, 34, 413-422	4.5	6
281	Looking beyond macroventilatory parameters and rethinking ventilator-induced lung injury. *Journal of Applied Physiology*, **2018**, 124, 1214-1218	3.7	6

280	Does high PEEP prevent alveolar cycling?. *Medizinische Klinik - Intensivmedizin Und Notfallmedizin*, **2018**, 113, 7-12	3.2	6
279	Inflammation and primary graft dysfunction after lung transplantation: CT-PET findings. *Minerva Anestesiologica*, **2018**, 84, 1169-1177	1.9	4
278	Septic shock-3 vs 2: an analysis of the ALBIOS study. *Critical Care*, **2018**, 22, 237	10.8	10
277	Opening pressures and atelectrauma in acute respiratory distress syndrome. *Intensive Care Medicine*, **2017**, 43, 603-611	14.5	67
276	Evidence or belief-based medicine? Ten doubts. *Intensive Care Medicine*, **2017**, 43, 1392-1394	14.5	1
275	Volutrauma, Atelectrauma, and Mechanical Power. *Critical Care Medicine*, **2017**, 45, e327-e328	1.4	12
274	Circulating Biologically Active Adrenomedullin (bio-ADM) Predicts Hemodynamic Support Requirement and Mortality During Sepsis. *Chest*, **2017**, 152, 312-320	5.3	42
273	Transpulmonary Pressure Meaning: Babel or Conceptual Evolution?. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 195, 1404-1405	10.2	4
272	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. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 195, 1253-1263	10.2	674
271	Reply: Lung Recruitment Assessment. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 195, 1276-1277	10.2	
270	Spontaneous Breathing during Extracorporeal Membrane Oxygenation in Acute Respiratory Failure. *Anesthesiology*, **2017**, 126, 678-687	4.3	61
269	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. *Lancet Respiratory Medicine,the*, **2017**, 5, 627-638	35.1	63
268	How best to set the ventilator on extracorporeal membrane lung oxygenation. *Current Opinion in Critical Care*, **2017**, 23, 66-72	3.5	17
267	Mechanical Ventilation in Adults with Acute Respiratory Distress Syndrome. Summary of the Experimental Evidence for the Clinical Practice Guideline. *Annals of the American Thoracic Society*, **2017**, 14, S261-S270	4.7	27
266	Randomized, multicenter trial of lateral Trendelenburg versus semirecumbent body position for the prevention of ventilator-associated pneumonia. *Intensive Care Medicine*, **2017**, 43, 1572-1584	14.5	20
265	Discussion on "Opening pressures and atelectrauma in acute respiratory distress syndrome". *Intensive Care Medicine*, **2017**, 43, 1936-1937	14.5	
264	Respiratory support in patients with acute respiratory distress syndrome: an expert opinion. *Critical Care*, **2017**, 21, 240	10.8	62
263	Regional physiology of ARDS. *Critical Care*, **2017**, 21, 312	10.8	38

262	Effects of regional perfusion block in healthy and injured lungs. *Intensive Care Medicine Experimental*, **2017**, 5, 46	3.7	2
261	Optimum support by high-flow nasal cannula in acute hypoxemic respiratory failure: effects of increasing flow rates. *Intensive Care Medicine*, **2017**, 43, 1453-1463	14.5	114
260	The intensive care medicine research agenda for airways, invasive and noninvasive mechanical ventilation. *Intensive Care Medicine*, **2017**, 43, 1352-1365	14.5	26
259	Noninvasive Ventilation of Patients with Acute Respiratory Distress Syndrome. Insights from the LUNG SAFE Study. *American Journal of Respiratory and Critical Care Medicine*, **2017**, 195, 67-77	10.2	269
258	Pentraxin 3 in patients with severe sepsis or shock: the ALBIOS trial. *European Journal of Clinical Investigation*, **2017**, 47, 73-83	4.6	45
257	The future of mechanical ventilation: lessons from the present and the past. *Critical Care*, **2017**, 21, 183	10.8	92
256	WHO Needs High FIO?. *Turkish Journal of Anaesthesiology and Reanimation*, **2017**, 45, 181-192	0.7	19
255	Driving pressure and mechanical power: new targets for VILI prevention. *Annals of Translational Medicine*, **2017**, 5, 286	3.2	100
254	Positive end-expiratory pressure: how to set it at the individual level. *Annals of Translational Medicine*, **2017**, 5, 288	3.2	41
253	Ventilator-related causes of lung injury: the mechanical power. *Intensive Care Medicine*, **2016**, 42, 1567-1575	14.5	318
252	Real-time urinary electrolyte monitoring after furosemide administration in surgical ICU patients with normal renal function. *Annals of Intensive Care*, **2016**, 6, 72	8.9	15
251	Mortality prediction in patients with severe septic shock: a pilot study using a target metabolomics approach. *Scientific Reports*, **2016**, 6, 20391	4.9	90
250	Potentially modifiable factors contributing to outcome from acute respiratory distress syndrome: the LUNG SAFE study. *Intensive Care Medicine*, **2016**, 42, 1865-1876	14.5	149
249	Fifty Years of Research in ARDS Why Is Acute Respiratory Distress Syndrome So Important for Critical Care?. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 194, 1051-1052	10.2	11
248	In Reply. *Anesthesiology*, **2016**, 125, 1071-1072	4.3	
247	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. *Critical Care Medicine*, **2016**, 44, 707-16	1.4	53
246	Skeletal muscle lactate overproduction during metformin intoxication: An animal study with reverse microdialysis. *Toxicology Letters*, **2016**, 255, 43-6	4.4	7
245	Mechanical Power and Development of Ventilator-induced Lung Injury. *Anesthesiology*, **2016**, 124, 1100-8	4.3	182

244	Esophageal and transpulmonary pressure in the clinical setting: meaning, usefulness and perspectives. *Intensive Care Medicine*, **2016**, 42, 1360-73	14.5	234
243	Deterioration of Lung Function in a Pig Model of Uncontrolled Cardiac Death. *Transplantation Proceedings*, **2016**, 48, 431-4	1.1	
242	Reply: Different Definitions of Lung Recruitment by Computed Tomography Scan. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 193, 1315-6	10.2	1
241	In Reply. *Anesthesiology*, **2016**, 124, 736-7	4.3	
240	Impaired dynamics of clot formation and hypofibrinolysis in severe sepsis are coexisting and strictly related. *Intensive Care Medicine*, **2016**, 42, 622-623	14.5	1
239	The "baby lung" became an adult. *Intensive Care Medicine*, **2016**, 42, 663-673	14.5	131
238	Venovenous extracorporeal membrane oxygenation for acute respiratory failure : A clinical review from an international group of experts. *Intensive Care Medicine*, **2016**, 42, 712-724	14.5	91
237	Epidemiology, Patterns of Care, and Mortality for Patients With Acute Respiratory Distress Syndrome in Intensive Care Units in 50 Countries. *JAMA - Journal of the American Medical Association*, **2016**, 315, 788-800	27.4	2131
236	Effect of body mass index in acute respiratory distress syndrome. *British Journal of Anaesthesia*, **2016**, 116, 113-21	5.4	22
235	Lung Recruitment Assessed by Respiratory Mechanics and Computed Tomography in Patients with Acute Respiratory Distress Syndrome. What Is the Relationship?. *American Journal of Respiratory and Critical Care Medicine*, **2016**, 193, 1254-63	10.2	71
234	Lung inhomogeneities, inflation and [18F]2-fluoro-2-deoxy-D-glucose uptake rate in acute respiratory distress syndrome. *European Respiratory Journal*, **2016**, 47, 233-42	13.6	34
233	Prevalence of "Flat-Line" Thromboelastography During Extracorporeal Membrane Oxygenation for Respiratory Failure in Adults. *ASAIO Journal*, **2016**, 62, 302-9	3.6	28
232	"Awake" extracorporeal membrane oxygenation (ECMO): pathophysiology, technical considerations, and clinical pioneering. *Critical Care*, **2016**, 20, 150	10.8	103
231	Role of Strain Rate in the Pathogenesis of Ventilator-Induced Lung Edema. *Critical Care Medicine*, **2016**, 44, e838-45	1.4	68
230	Role of albumin, starches and gelatins versus crystalloids in volume resuscitation of critically ill patients. *Current Opinion in Critical Care*, **2016**, 22, 428-36	3.5	18
229	Imaging in acute respiratory distress syndrome. *Intensive Care Medicine*, **2016**, 42, 686-698	14.5	79
228	Designing phase 3 sepsis trials: application of learned experiences from critical care trials in acute heart failure. *Journal of Intensive Care*, **2016**, 4, 24	7	31
227	How ARDS should be treated. *Critical Care*, **2016**, 20, 86	10.8	19

226	How safe is gelatin? A systematic review and meta-analysis of gelatin-containing plasma expanders vs crystalloids and albumin. *Journal of Critical Care*, **2016**, 35, 75-83	4	89
225	Ultra-protective ventilation and hypoxemia. *Critical Care*, **2016**, 20, 130	10.8	25
224	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. *American Journal of Transplantation*, **2016**, 16, 1312-8	8.7	48
223	Hemostasis changes during veno-venous extracorporeal membrane oxygenation for respiratory support in adults. *Minerva Anestesiologica*, **2016**, 82, 170-9	1.9	33
222	Platelet mitochondrial dysfunction in critically ill patients: comparison between sepsis and cardiogenic shock. *Critical Care*, **2015**, 19, 39	10.8	27
221	Spatial orientation and mechanical properties of the human trachea: a computed tomography study. *Respiratory Care*, **2015**, 60, 561-6	2.1	1
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. *Critical Care Medicine*, **2015**, 43, 781-90	1.4	48
219	Selecting the RightPpositive end-expiratory pressure level. *Current Opinion in Critical Care*, **2015**, 21, 50-7	3.5	30
218	Electrolyte shifts across the artificial lung in patients on extracorporeal membrane oxygenation: interdependence between partial pressure of carbon dioxide and strong ion difference. *Journal of Critical Care*, **2015**, 30, 2-6	4	18
217	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. *Intensive Care Medicine*, **2015**, 41, 12-20	14.5	89
216	Determinants of energy dissipation in the respiratory system during mechanical ventilation. *Critical Care*, **2015**, 19, P247	10.8	3
215	18-FDG PET in lung transplantation. *Critical Care*, **2015**, 19, P257	10.8	78
214	Acid-base effects of different crystalloid solutions for ECMO priming: preliminary report. *Critical Care*, **2015**, 19, P356	10.8	1
213	A few of our favorite unconfirmed ideas. *Critical Care*, **2015**, 19 Suppl 3, S1	10.8	9
212	Physiology versus evidence-based guidance for critical care practice. *Critical Care*, **2015**, 19 Suppl 3, S7	10.8	2
211	Albumin in critically ill patients: the ideal colloid?. *Current Opinion in Critical Care*, **2015**, 21, 302-8	3.5	24
210	Lung inhomogeneities and time course of ventilator-induced mechanical injuries. *Anesthesiology*, **2015**, 123, 618-27	4.3	56
209	Assessment of Fibrinolysis in Sepsis Patients with Urokinase Modified Thromboelastography. *PLoS ONE*, **2015**, 10, e0136463	3.7	35

208	Lung anatomy, energy load, and ventilator-induced lung injury. *Intensive Care Medicine Experimental*, **2015**, 3, 34	3.7	54
207	Prone position ameliorates lung elastance and increases functional residual capacity independently from lung recruitment. *Intensive Care Medicine Experimental*, **2015**, 3, 55	3.7	14
206	Sepsis: needs for defining severity. *Intensive Care Medicine*, **2015**, 41, 551-2	14.5	9
205	What's new in respiratory physiology? The expanding chest wall revisited!. *Intensive Care Medicine*, **2015**, 41, 1110-3	14.5	11
204	Comparison between clinical indicators of transmembrane oxygenator thrombosis and multidetector computed tomographic analysis. *Journal of Critical Care*, **2015**, 30, 441.e7-13	4	17
203	Proposed benefits of albumin from the ALBIOS trial: a dose of insane belief. *Critical Care*, **2014**, 18, 510	10.8	6
202	Position paper for the organization of extracorporeal membrane oxygenation programs for acute respiratory failure in adult patients. *American Journal of Respiratory and Critical Care Medicine*, **2014**, 190, 488-96	10.2	290
201	The assessment of transpulmonary pressure in mechanically ventilated ARDS patients. *Intensive Care Medicine*, **2014**, 40, 1670-8	14.5	61
200	Low-dose chest computed tomography for quantitative and visual anatomical analysis in patients with acute respiratory distress syndrome. *Intensive Care Medicine*, **2014**, 40, 691-9	14.5	25
199	The application of esophageal pressure measurement in patients with respiratory failure. *American Journal of Respiratory and Critical Care Medicine*, **2014**, 189, 520-31	10.2	318
198	Albumin replacement in severe sepsis or septic shock. *New England Journal of Medicine*, **2014**, 371, 84	59.2	32
197	Effect of prone positioning during mechanical ventilation on mortality among patients with acute respiratory distress syndrome: a systematic review and meta-analysis. *Cmaj*, **2014**, 186, E381-90	3.5	136
196	Albumin replacement in patients with severe sepsis or septic shock. *New England Journal of Medicine*, **2014**, 370, 1412-21	59.2	677
195	A standardized model of brain death, donor treatment, and lung transplantation for studies on organ preservation and reconditioning. *Intensive Care Medicine Experimental*, **2014**, 2, 12	3.7	5
194	0894. Time course of VILI development: a CT scan study. *Intensive Care Medicine Experimental*, **2014**, 2,	3.7	78
193	0990. Role of amplitude and rate of deformation in ventilator-induced lung injury. *Intensive Care Medicine Experimental*, **2014**, 2,	3.7	78
192	Effect of tidal volume and positive end-expiratory pressure on lung hysteresis of healthy piglets. *Critical Care*, **2014**, 18, P286	10.8	78
191	Presepsin (soluble CD14 subtype) and procalcitonin levels for mortality prediction in sepsis: data from the Albumin Italian Outcome Sepsis trial. *Critical Care*, **2014**, 18, R6	10.8	132

190	Extracorporeal gas exchange and spontaneous breathing for the treatment of acute respiratory distress syndrome: an alternative to mechanical ventilation?*. *Critical Care Medicine*, **2014**, 42, e211-20	1.4	44
189	Mitochondrial changes in platelets are not related to those in skeletal muscle during human septic shock. *PLoS ONE*, **2014**, 9, e96205	3.7	18
188	Validation of computed tomography for measuring lung weight. *Intensive Care Medicine Experimental*, **2014**, 2, 31	3.7	13
187	Response. *Chest*, **2014**, 145, 185	5.3	
186	Ex vivo lung perfusion to improve donor lung function and increase the number of organs available for transplantation. *Transplant International*, **2014**, 27, 553-61	3	58
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