

# Alessandro Protti

## 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.

60  
papers

2,997  
citations

27  
h-index

54  
g-index

64  
ext. papers

4,102  
ext. citations

6.3  
avg, IF

5.07  
L-index

#	Paper	IF	Citations
60	Risk Factors Associated With Mortality Among Patients With COVID-19 in Intensive Care Units in Lombardy, Italy. <i>JAMA Internal Medicine</i> , <b>2020</b> , 180, 1345-1355	11.5	604
59	Pathophysiology of COVID-19-associated acute respiratory distress syndrome: a multicentre prospective observational study. <i>Lancet Respiratory Medicine</i> , <b>2020</b> , 8, 1201-1208	35.1	293
58	Lung stress and strain during mechanical ventilation: any safe threshold?. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2011</b> , 183, 1354-62	10.2	222
57	Lung stress and strain during mechanical ventilation: any difference between statics and dynamics?. <i>Critical Care Medicine</i> , <b>2013</b> , 41, 1046-55	1.4	185
56	Hospital surge capacity in a tertiary emergency referral centre during the COVID-19 outbreak in Italy. <i>Anaesthesia</i> , <b>2020</b> , 75, 928-934	6.6	166
55	Ventilator-induced lung injury: the anatomical and physiological framework. <i>Critical Care Medicine</i> , <b>2010</b> , 38, S539-48	1.4	150
54	Bench-to-bedside review: potential strategies to protect or reverse mitochondrial dysfunction in sepsis-induced organ failure. <i>Critical Care</i> , <b>2006</b> , 10, 228	10.8	83
53	Rationale and evidence on the use of tocilizumab in COVID-19: a systematic review. <i>Pulmonology</i> , <b>2021</b> , 27, 52-66	3.7	69
52	Role of Strain Rate in the Pathogenesis of Ventilator-Induced Lung Edema. <i>Critical Care Medicine</i> , <b>2016</b> , 44, e838-45	1.4	68
51	Metformin-associated lactic acidosis (MALA): Moving towards a new paradigm. <i>Diabetes, Obesity and Metabolism</i> , <b>2017</b> , 19, 1502-1512	6.7	62
50	Spontaneous Breathing during Extracorporeal Membrane Oxygenation in Acute Respiratory Failure. <i>Anesthesiology</i> , <b>2017</b> , 126, 678-687	4.3	61
49	Oxygen consumption is depressed in patients with lactic acidosis due to biguanide intoxication. <i>Critical Care</i> , <b>2010</b> , 14, R22	10.8	61
48	Thromboelastography-based anticoagulation management during extracorporeal membrane oxygenation: a safety and feasibility pilot study. <i>Annals of Intensive Care</i> , <b>2018</b> , 8, 7	8.9	54
47	Lung anatomy, energy load, and ventilator-induced lung injury. <i>Intensive Care Medicine Experimental</i> , <b>2015</b> , 3, 34	3.7	54
46	Relationship between gas exchange response to prone position and lung recruitability during acute respiratory failure. <i>Intensive Care Medicine</i> , <b>2009</b> , 35, 1011-7	14.5	51
45	Prone position in intubated, mechanically ventilated patients with COVID-19: a multi-centric study of more than 1000 patients. <i>Critical Care</i> , <b>2021</b> , 25, 128	10.8	49
44	Macrophage expression and prognostic significance of the long pentraxin PTX3 in COVID-19. <i>Nature Immunology</i> , <b>2021</b> , 22, 19-24	19.1	47

43	Early functional and transcriptomic changes in the myocardium predict outcome in a long-term rat model of sepsis. <i>Clinical Science</i> , <b>2013</b> , 124, 391-401	6.5	46
42	Metformin overdose, but not lactic acidosis per se, inhibits oxygen consumption in pigs. <i>Critical Care</i> , <b>2012</b> , 16, R75	10.8	45
41	Metformin overdose causes platelet mitochondrial dysfunction in humans. <i>Critical Care</i> , <b>2012</b> , 16, R180	10.8	45
40	Succinate recovers mitochondrial oxygen consumption in septic rat skeletal muscle. <i>Critical Care Medicine</i> , <b>2007</b> , 35, 2150-5	1.4	45
39	Time to generate ventilator-induced lung injury among mammals with healthy lungs: a unifying hypothesis. <i>Intensive Care Medicine</i> , <b>2011</b> , 37, 1913-20	14.5	38
38	Assessment of Fibrinolysis in Sepsis Patients with Urokinase Modified Thromboelastography. <i>PLoS ONE</i> , <b>2015</b> , 10, e0136463	3.7	35
37	Which is the most important strain in the pathogenesis of ventilator-induced lung injury: dynamic or static?. <i>Current Opinion in Critical Care</i> , <b>2014</b> , 20, 33-8	3.5	32
36	Metformin-induced lactic acidosis: no one left behind. <i>Critical Care</i> , <b>2011</b> , 15, 107	10.8	32
35	Inhaled nitric oxide in mechanically ventilated patients with COVID-19. <i>Journal of Critical Care</i> , <b>2020</b> , 60, 159-160	4	30
34	Prevalence of "Flat-Line" Thromboelastography During Extracorporeal Membrane Oxygenation for Respiratory Failure in Adults. <i>ASAIO Journal</i> , <b>2016</b> , 62, 302-9	3.6	28
33	Linezolid-induced lactic acidosis: the thin line between bacterial and mitochondrial ribosomes. <i>Expert Opinion on Drug Safety</i> , <b>2017</b> , 16, 833-843	4.1	27
32	Platelet mitochondrial dysfunction in critically ill patients: comparison between sepsis and cardiogenic shock. <i>Critical Care</i> , <b>2015</b> , 19, 39	10.8	27
31	Anticoagulation Management and Antithrombin Supplementation Practice during Veno-venous Extracorporeal Membrane Oxygenation: A Worldwide Survey. <i>Anesthesiology</i> , <b>2020</b> , 132, 562-570	4.3	26
30	Low-dose chest computed tomography for quantitative and visual anatomical analysis in patients with acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , <b>2014</b> , 40, 691-9	14.5	25
29	Ventilation in the prone position: for some but not for all?. <i>Cmaj</i> , <b>2008</b> , 178, 1174-6	3.5	19
28	Electrolyte shifts across the artificial lung in patients on extracorporeal membrane oxygenation: interdependence between partial pressure of carbon dioxide and strong ion difference. <i>Journal of Critical Care</i> , <b>2015</b> , 30, 2-6	4	18
27	Mitochondrial changes in platelets are not related to those in skeletal muscle during human septic shock. <i>PLoS ONE</i> , <b>2014</b> , 9, e96205	3.7	18
26	Comparison between clinical indicators of transmembrane oxygenator thrombosis and multidetector computed tomographic analysis. <i>Journal of Critical Care</i> , <b>2015</b> , 30, 441.e7-13	4	17

25	Prone position ameliorates lung elastance and increases functional residual capacity independently from lung recruitment. <i>Intensive Care Medicine Experimental</i> , <b>2015</b> , 3, 55	3.7	14
24	Antithrombin During Extracorporeal Membrane Oxygenation in Adults: National Survey and Retrospective Analysis. <i>ASAIO Journal</i> , <b>2019</b> , 65, 257-263	3.6	13
23	Validation of computed tomography for measuring lung weight. <i>Intensive Care Medicine Experimental</i> , <b>2014</b> , 2, 31	3.7	13
22	Changes in Whole-Body Oxygen Consumption and Skeletal Muscle Mitochondria During Linezolid-Induced Lactic Acidosis. <i>Critical Care Medicine</i> , <b>2016</b> , 44, e579-82	1.4	12
21	Strategies to Modulate Cellular Energetic Metabolism during Sepsis. <i>Novartis Foundation Symposium</i> , 7-20		12
20	Strategies to modulate cellular energetic metabolism during sepsis. <i>Novartis Foundation Symposium</i> , <b>2007</b> , 280, 7-16; discussion 16-20, 160-4		12
19	Barotrauma in mechanically ventilated patients with Coronavirus disease 2019: a survey of 38 hospitals in Lombardy, Italy. <i>Minerva Anestesiologica</i> , <b>2021</b> , 87, 193-198	1.9	10
18	Persistence of Central Venous Oxygen Desaturation During Early Sepsis Is Associated With Higher Mortality: A Retrospective Analysis of the ALBIOS Trial. <i>Chest</i> , <b>2018</b> , 154, 1291-1300	5.3	9
17	The delicate balance between pro-(risk of thrombosis) and anti-(risk of bleeding) coagulation during extracorporeal membrane oxygenation. <i>Annals of Translational Medicine</i> , <b>2016</b> , 4, 139	3.2	8
16	Paradoxical Effect of Chest Wall Compression on Respiratory System Compliance: A Multicenter Case Series of Patients With ARDS, With Multimodal Assessment. <i>Chest</i> , <b>2021</b> , 160, 1335-1339	5.3	8
15	Skeletal muscle lactate overproduction during metformin intoxication: An animal study with reverse microdialysis. <i>Toxicology Letters</i> , <b>2016</b> , 255, 43-6	4.4	7
14	High positive end-expiratory pressure: only a dam against oedema formation?. <i>Critical Care</i> , <b>2013</b> , 17, R131	10.8	7
13	Extubate Before Venovenous Extracorporeal Membranous Oxygenation Decannulation or Decannulate While Remaining on the Ventilator? The EuroELSO 2019 Weaning Survey. <i>ASAIO Journal</i> , <b>2021</b> , 67, e86-e89	3.6	6
12	Lung response to a higher positive end-expiratory pressure in mechanically ventilated patients with COVID-19. <i>Chest</i> , <b>2021</b> ,	5.3	5
11	Driving airway pressure: should we use a static measure to describe a dynamic phenomenon?. <i>Intensive Care Medicine</i> , <b>2017</b> , 43, 1544-1545	14.5	4
10	Detection of strong inspiratory efforts from the analysis of central venous pressure swings: a preliminary clinical study. <i>Minerva Anestesiologica</i> , <b>2020</b> , 86, 1296-1304	1.9	4
9	Macrophage expression and prognostic significance of the long pentraxin PTX3 in COVID-19		4
8	Circulating pentraxin 3 in severe COVID-19 or other pulmonary sepsis. <i>European Journal of Clinical Investigation</i> , <b>2021</b> , 51, e13530	4.6	4

7	One other explanation for hypoglycemia during metformin overdose. <i>Clinical Toxicology</i> , <b>2013</b> , 51, 515	2.9	2
6	Increased ratio of P[v-a]CO to C[a-v]O without global hypoxia: the case of metformin-induced lactic acidosis. <i>Respiratory Physiology and Neurobiology</i> , <b>2021</b> , 285, 103586	2.8	2
5	Nitric oxide in COVID-19: Too little of a good thing?. <i>EBioMedicine</i> , <b>2022</b> , 77, 103925	8.8	2
4	Lung response to prone positioning in mechanically-ventilated patients with COVID-19.. <i>Critical Care</i> , <b>2022</b> , 26, 127	10.8	0
3	Role of Mitochondrial Dysfunction in Linezolid-Induced Lactic Acidosis <b>2018</b> , 547-558		
2	Family access to critically ill patients with COVID-19: a noble but demanding goal. <i>Minerva Anestesiologica</i> , <b>2021</b> , 87, 956-958	1.9	
1	High Positive End-Expiratory Pressure: Only a Dam against Edema Formation? Probably Not (Again). <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2019</b> , 199, 543-544	10.2	