

Eleonora Carlesso

List of Publications by Year in descending order

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Version: 2024-02-01

79
papers

7,914
citations

61857

43
h-index

102304

66
g-index

80
all docs

80
docs citations

80
times ranked

6422
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	2.6	1,165
2	Lung Stress and Strain during Mechanical Ventilation for Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008, 178, 346-355.	2.5	633
3	Ventilator-related causes of lung injury: the mechanical power. <i>Intensive Care Medicine</i> , 2016, 42, 1567-1575.	3.9	586
4	The rule regulating pH changes during crystalloid infusion. <i>Intensive Care Medicine</i> , 2011, 37, 461-468.	3.9	576
5	Prone Position in Acute Respiratory Distress Syndrome. Rationale, Indications, and Limits. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 1286-1293.	2.5	349
6	Lung Opening and Closing during Ventilation of Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 181, 578-586.	2.5	287
7	Lung Inhomogeneity in Patients with Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 149-158.	2.5	277
8	Decrease in Paco ₂ with prone position is predictive of improved outcome in acute respiratory distress syndrome*. <i>Critical Care Medicine</i> , 2003, 31, 2727-2733.	0.4	247
9	Ventilator-induced lung injury: The anatomical and physiological framework. <i>Critical Care Medicine</i> , 2010, 38, S539-S548.	0.4	201
10	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, 534-541.	2.5	185
11	Bench-to-bedside review: chest wall elastance in acute lung injury/acute respiratory distress syndrome patients. <i>Critical Care</i> , 2004, 8, 350.	2.5	181
12	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.	3.9	180
13	Clinical review: Extracorporeal membrane oxygenation. <i>Critical Care</i> , 2011, 15, 243.	2.5	160
14	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, 361-367.	0.4	159
15	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.	2.5	157
16	Bedside Selection of Positive End-Expiratory Pressure in Mild, Moderate, and Severe Acute Respiratory Distress Syndrome*. <i>Critical Care Medicine</i> , 2014, 42, 252-264.	0.4	138
17	Airway driving pressure and lung stress in ARDS patients. <i>Critical Care</i> , 2016, 20, 276.	2.5	129
18	Noninvasive positive pressure ventilation delivered by helmet vs. standard face mask. <i>Intensive Care Medicine</i> , 2003, 29, 1671-1679.	3.9	118

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19	Stress and strain within the lung. <i>Current Opinion in Critical Care</i> , 2012, 18, 42-47.	1.6	111
20	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, 1254-1263.	2.5	111
21	Anatomical and functional intrapulmonary shunt in acute respiratory distress syndrome*. <i>Critical Care Medicine</i> , 2008, 36, 669-675.	0.4	102
22	Opening pressures and atelectrauma in acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2017, 43, 603-611.	3.9	96
23	The Role of CT-scan Studies for the Diagnosis and Therapy of Acute Respiratory Distress Syndrome. <i>Clinics in Chest Medicine</i> , 2006, 27, 559-570.	0.8	90
24	Impact of flow and temperature on patient comfort during respiratory support by high-flow nasal cannula. <i>Critical Care</i> , 2018, 22, 120.	2.5	88
25	Lung Inhomogeneities and Time Course of Ventilator-induced Mechanical Injuries. <i>Anesthesiology</i> , 2015, 123, 618-627.	1.3	86
26	Positive end-expiratory pressure. <i>Current Opinion in Critical Care</i> , 2010, 16, 39-44.	1.6	84
27	Lung anatomy, energy load, and ventilator-induced lung injury. <i>Intensive Care Medicine Experimental</i> , 2015, 3, 34.	0.9	84
28	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, 1909-1915.	3.9	80
29	Physiologic rationale for ventilator setting in acute lung injury/acute respiratory distress syndrome patients. <i>Critical Care Medicine</i> , 2003, 31, S300-S304.	0.4	74
30	Relationship between gas exchange response to prone position and lung recruitability during acute respiratory failure. <i>Intensive Care Medicine</i> , 2009, 35, 1011-1017.	3.9	61
31	Limits of normality of quantitative thoracic CT analysis. <i>Critical Care</i> , 2013, 17, R93.	2.5	61
32	Effects of thoraco-pelvic supports during prone position in patients with acute lung injury/acute respiratory distress syndrome: a physiological study. <i>Critical Care</i> , 2006, 10, R87.	2.5	60
33	Lung Recruitability Is Better Estimated According to the Berlin Definition of Acute Respiratory Distress Syndrome at Standard 5 cm H ₂ O Rather Than Higher Positive End-Expiratory Pressure. <i>Critical Care Medicine</i> , 2015, 43, 781-790.	0.4	59
34	Compressive Forces and Computed Tomography-derived Positive End-expiratory Pressure in Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2014, 121, 572-581.	1.3	58
35	Selecting the "right" positive end-expiratory pressure level. <i>Current Opinion in Critical Care</i> , 2015, 21, 50-57.	1.6	55
36	How to ventilate patients with acute lung injury and acute respiratory distress syndrome. <i>Current Opinion in Critical Care</i> , 2005, 11, 69-76.	1.6	54

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37	Time to generate ventilator-induced lung injury among mammals with healthy lungs: a unifying hypothesis. <i>Intensive Care Medicine</i> , 2011, 37, 1913-1920.	3.9	54
38	Time to reach a new steady state after changes of positive end expiratory pressure. <i>Intensive Care Medicine</i> , 2013, 39, 1377-1385.	3.9	53
39	Towards ultraprotective mechanical ventilation. <i>Current Opinion in Anaesthesiology</i> , 2012, 25, 141-147.	0.9	49
40	Lung inhomogeneities, inflation and [¹⁸ F]2-fluoro-2-deoxy-D-glucose uptake rate in acute respiratory distress syndrome. <i>European Respiratory Journal</i> , 2016, 47, 233-242.	3.1	48
41	Radiological Imaging in Acute Lung Injury and Acute Respiratory Distress Syndrome. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2006, 27, 404-415.	0.8	47
42	Intra-abdominal pressure may be decreased non-invasively by continuous negative extra-abdominal pressure (NEXAP). <i>Intensive Care Medicine</i> , 2003, 29, 2063-2067.	3.9	46
43	Estimation of end-expiratory lung volume variations by optoelectronic plethysmography. <i>Critical Care Medicine</i> , 2001, 29, 1807-1811.	0.4	45
44	In vivo conditioning of acid-base equilibrium by crystalloid solutions: an experimental study on pigs. <i>Intensive Care Medicine</i> , 2012, 38, 686-693.	3.9	41
45	Strong ion difference in urine: new perspectives in acid-base assessment. <i>Critical Care</i> , 2006, 10, 137.	2.5	39
46	Chest wall mechanics during pressure support ventilation. <i>Critical Care</i> , 2006, 10, R54.	2.5	38
47	Effect of body mass index in acute respiratory distress syndrome. <i>British Journal of Anaesthesia</i> , 2016, 116, 113-121.	1.5	34
48	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> , 2015, 30, 2-6.	1.0	33
49	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.	1.0	29
50	A mathematical model of oxygenation during venovenous extracorporeal membrane oxygenation support. <i>Journal of Critical Care</i> , 2016, 36, 178-186.	1.0	28
51	Acute respiratory distress syndrome, the critical care paradigm: what we learned and what we forgot. <i>Current Opinion in Critical Care</i> , 2004, 10, 272-278.	1.6	27
52	Dilutional acidosis: where do the protons come from?. <i>Intensive Care Medicine</i> , 2009, 35, 2033-2043.	3.9	27
53	Supporting hemodynamics: what should we target? What treatments should we use?. <i>Critical Care</i> , 2013, 17, S4.	2.5	23
54	Assessing gas exchange in acute lung injury/acute respiratory distress syndrome: diagnostic techniques and prognostic relevance. <i>Current Opinion in Critical Care</i> , 2011, 17, 18-23.	1.6	17

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55	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.	3.9	16
56	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.	1.2	15
57	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.	2.5	14
58	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.	0.4	10
59	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.	0.9	9
60	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.	1.5	7
61	Physiology versus evidence-based guidance for critical care practice. <i>Critical Care</i> , 2015, 19, S7.	2.5	5
62	Quantification of Recirculation During Veno-Venous Extracorporeal Membrane Oxygenation. <i>ASAIO Journal</i> , 2021, Publish Ahead of Print, .	0.9	4
63	CT Ventilation Imaging. <i>Lung Biology in Health and Disease</i> , 2005, , 33-61.	0.1	4
64	Extracorporeal Membrane Oxygenation for Pulmonary Support. , 2019, , 1183-1190.e2.		3
65	Alkaline Liquid Ventilation of the Membrane Lung for Extracorporeal Carbon Dioxide Removal (ECCO2R): In Vitro Study. <i>Membranes</i> , 2021, 11, 464.	1.4	2
66	Sharing Mechanical Ventilator: In Vitro Evaluation of Circuit Cross-Flows and Patient Interactions. <i>Membranes</i> , 2021, 11, 547.	1.4	2
67	The Hamburger Effect: Beyond Chloride Shift. , 2012, , .		1
68	Reply: Different Definitions of Lung Recruitment by Computed Tomography Scan. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 1315-1316.	2.5	1
69	Acute Respiratory Failure. , 2010, , 231-240.		1
70	Mechanical Ventilation in Acute Respiratory Distress Syndrome. , 2008, , 191-203.		0
71	Reply to Agrafiotis. <i>Intensive Care Medicine</i> , 2010, 36, 901-902.	3.9	0
72	Stress Index: Is The Airway Pressure A Good Surrogate Of The Transpulmonary Pressure?. , 2010, , .		0

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73	Recruitability, recruitment, and tidal volume interactions: Is biologically variable ventilation a possible answer?*. Critical Care Medicine, 2011, 39, 1839-1840.	0.4	0
74	Ventilation During Venovenous Extracorporeal Membrane Oxygenation. , 2021, , 741-750.		0
75	The Evolution of Imaging in Respiratory Dysfunction Failure. , 2009, , 195-206.		0
76	Chapter 62 Acute respiratory failure and acute respiratory distress syndrome. , 2011, , .		0
77	Extracorporeal membrane oxygenation. , 2015, , 131-138.		0
78	Acute respiratory failure and acute respiratory distress syndrome. , 2015, , .		0
79	Is airway driving pressure a good predictor of lung stress during mechanical ventilation for ARDS?. , 2016, , .		0