

Nicolo' Patroniti

List of Publications by Year in descending order

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Version: 2024-02-01

107
papers

10,507
citations

76326

40
h-index

33894

99
g-index

108
all docs

108
docs citations

108
times ranked

6182
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	5.8	28
2	Reactivation of Herpes Simplex Virus Type 1 (HSV-1) Detected on Bronchoalveolar Lavage Fluid (BALF) Samples in Critically Ill COVID-19 Patients Undergoing Invasive Mechanical Ventilation: Preliminary Results from Two Italian Centers. <i>Microorganisms</i> , 2022, 10, 362.	3.6	14
3	Early versus late intubation in COVID-19 patients failing helmet CPAP: A quantitative computed tomography study. <i>Respiratory Physiology and Neurobiology</i> , 2022, 301, 103889.	1.6	8
4	Fibrotic progression and radiologic correlation in matched lung samples from COVID-19 post-mortems. <i>Virchows Archiv Fur Pathologische Anatomie Und Physiologie Und Fur Klinische Medizin</i> , 2021, 478, 471-485.	2.8	74
5	Mechanical ventilation in neurocritical care setting: A clinical approach. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2021, 35, 207-220.	4.0	15
6	Sigh in Patients With Acute Hypoxemic Respiratory Failure and ARDS. <i>Chest</i> , 2021, 159, 1426-1436.	0.8	16
7	Volatile Sedation for Acute Respiratory Distress Syndrome Patients on Venovenous Extracorporeal Membrane Oxygenation and Ultraprotective Ventilation. , 2021, 3, e0310.		11
8	Spread of Carbapenem-Resistant Gram-Negatives and <i>Candida auris</i> during the COVID-19 Pandemic in Critically Ill Patients: One Step Back in Antimicrobial Stewardship?. <i>Microorganisms</i> , 2021, 9, 95.	3.6	77
9	Incidence and Prognosis of Ventilator-Associated Pneumonia in Critically Ill Patients with COVID-19: A Multicenter Study. <i>Journal of Clinical Medicine</i> , 2021, 10, 555.	2.4	93
10	Computed tomography assessment of PEEP-induced alveolar recruitment in patients with severe COVID-19 pneumonia. <i>Critical Care</i> , 2021, 25, 81.	5.8	59
11	Cardiac point-of-care ultrasound in hospitalized coronavirus disease-2019 patients. <i>Journal of Cardiovascular Medicine</i> , 2021, Publish Ahead of Print, e3-e7.	1.5	3
12	Early effects of ventilatory rescue therapies on systemic and cerebral oxygenation in mechanically ventilated COVID-19 patients with acute respiratory distress syndrome: a prospective observational study. <i>Critical Care</i> , 2021, 25, 111.	5.8	45
13	Bronchoalveolar lavage fluid characteristics and outcomes of invasively mechanically ventilated patients with COVID-19 pneumonia in Genoa, Italy. <i>BMC Infectious Diseases</i> , 2021, 21, 353.	2.9	23
14	Extensive activation, tissue trafficking, turnover and functional impairment of NK cells in COVID-19 patients at disease onset associates with subsequent disease severity. <i>PLoS Pathogens</i> , 2021, 17, e1009448.	4.7	43
15	Lung distribution of gas and blood volume in critically ill COVID-19 patients: a quantitative dual-energy computed tomography study. <i>Critical Care</i> , 2021, 25, 214.	5.8	39
16	The Role of Dysbiosis in Critically Ill Patients With COVID-19 and Acute Respiratory Distress Syndrome. <i>Frontiers in Medicine</i> , 2021, 8, 671714.	2.6	17
17	Extension of Collagen Deposition in COVID-19 Post Mortem Lung Samples and Computed Tomography Analysis Findings. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7498.	4.1	15
18	Clinical presentation of secondary infectious complications in COVID-19 patients in intensive care unit treated with tocilizumab or standard of care. <i>European Journal of Internal Medicine</i> , 2021, 94, 39-44.	2.2	8

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19	Enterococcal bloodstream infections in critically ill patients with COVID-19: a case series. <i>Annals of Medicine</i> , 2021, 53, 1779-1786.	3.8	22
20	Mechanical Ventilation for Acute Respiratory Distress Syndrome during Extracorporeal Life Support. <i>Research and Practice. American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 514-525.	5.6	105
21	Chest physiotherapy: An important adjuvant in critically ill mechanically ventilated patients with COVID-19. <i>Respiratory Physiology and Neurobiology</i> , 2020, 282, 103529.	1.6	43
22	Comparison of Two Approaches to Estimate Driving Pressure during Assisted Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 1595-1598.	5.6	15
23	Neurological Complications and Noninvasive Multimodal Neuromonitoring in Critically Ill Mechanically Ventilated COVID-19 Patients. <i>Frontiers in Neurology</i> , 2020, 11, 602114.	2.4	36
24	Neurological Manifestations of Severe SARS-CoV-2 Infection: Potential Mechanisms and Implications of Individualized Mechanical Ventilation Settings. <i>Frontiers in Neurology</i> , 2020, 11, 845.	2.4	46
25	Distinct phenotypes require distinct respiratory management strategies in severe COVID-19. <i>Respiratory Physiology and Neurobiology</i> , 2020, 279, 103455.	1.6	129
26	Bloodstream infections in critically ill patients with COVID-19. <i>European Journal of Clinical Investigation</i> , 2020, 50, e13319.	3.4	203
27	Effect of Face Mask Design and Bias Flow on Rebreathing During Noninvasive Ventilation. <i>Respiratory Care</i> , 2019, 64, 793-800.	1.6	13
28	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.	4.6	11
29	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.	5.6	95
30	Mechanical ventilation and respiratory monitoring during extracorporeal membrane oxygenation for respiratory support. <i>Annals of Translational Medicine</i> , 2018, 6, 386-386.	1.7	23
31	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.	1.0	15
32	Application of prone position in hypoxaemic patients supported by veno-venous ECMO. <i>Intensive and Critical Care Nursing</i> , 2018, 48, 61-68.	2.9	39
33	Tracheostomy in intensive care: Patients and families will never walk alone!. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2018, 37, 197-199.	1.4	4
34	Partial or Total Extracorporeal Support. , 2017, , 85-111.		0
35	ECMO for intractable status asthmaticus following atracurium. <i>Journal of Artificial Organs</i> , 2017, 20, 178-181.	0.9	7
36	Control of Respiratory Drive and Effort in Extracorporeal Membrane Oxygenation Patients Recovering from Severe Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2016, 125, 159-167.	2.5	89

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37	Intrinsic positive end-expiratory pressure during ventilation through small endotracheal tubes during general anesthesia: incidence, mechanism, and predictive factors. <i>Journal of Clinical Anesthesia</i> , 2016, 31, 124-130.	1.6	2
38	A mathematical model of oxygenation during venovenous extracorporeal membrane oxygenation support. <i>Journal of Critical Care</i> , 2016, 36, 178-186.	2.2	28
39	Daily nursing care on patients undergoing venous-venous extracorporeal membrane oxygenation: a challenging procedure!. <i>Journal of Artificial Organs</i> , 2016, 19, 343-349.	0.9	14
40	Extracorporeal Support of Gas Exchange. , 2016, , 1794-1806.e2.		2
41	Hemostatic changes during extracorporeal membrane oxygenation: a commentary. <i>Annals of Translational Medicine</i> , 2016, 4, 140-140.	1.7	3
42	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, 1823-1831.	0.9	52
43	Respiratory Electrodes. A Novel, Highly Efficient Extracorporeal CO ₂ Removal Technique. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 192, 719-726.	5.6	68
44	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, 1390-1394.	2.2	214
45	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, 213-219.	0.9	13
46	Post-cardiac arrest extracorporeal life support. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2015, 29, 497-508.	4.0	11
47	Relation between peak and integral of the diaphragm electromyographic activity at different levels of support during weaning from mechanical ventilation: A physiologic study. <i>Journal of Critical Care</i> , 2015, 30, 7-12.	2.2	26
48	The Application of Esophageal Pressure Measurement in Patients with Respiratory Failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014, 189, 520-531.	5.6	443
49	Extracorporeal carbon dioxide removal through ventilation of acidified dialysate: An experimental study. <i>Journal of Heart and Lung Transplantation</i> , 2014, 33, 536-541.	0.6	38
50	Regional Blood Acidification Enhances Extracorporeal Carbon Dioxide Removal. <i>Anesthesiology</i> , 2014, 120, 416-424.	2.5	41
51	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, 563-571.	2.5	33
52	Basic Aspects of Physiology During ECMO Support. , 2014, , 19-36.		2
53	Respiratory Monitoring of the ECMO Patient. , 2014, , 249-263.		0
54	Ground Transport: Ambulance. , 2014, , 455-460.		0

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55	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, 275-281.	8.2	199
56	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, 282-291.	8.2	92
57	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.	5.8	177
58	Estimation of Patient's Inspiratory Effort From the Electrical Activity of the Diaphragm*. <i>Critical Care Medicine</i> , 2013, 41, 1483-1491.	0.9	136
59	Topographic Distribution of Tidal Ventilation in Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2013, 41, 1664-1673.	0.9	95
60	Infusion of 2.5 Åmeq/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.	5.8	20
61	Simulation-Based Training of Extracorporeal Membrane Oxygenation During H1N1 Influenza Pandemic. <i>Simulation in Healthcare</i> , 2012, 7, 32-34.	1.2	53
62	Use of Extracorporeal Respiratory Support During Pregnancy. <i>ASAIO Journal</i> , 2012, 58, 281-284.	1.6	24
63	Respiratory pattern during neurally adjusted ventilatory assist in acute respiratory failure patients. <i>Intensive Care Medicine</i> , 2012, 38, 230-239.	8.2	67
64	Recruitment Maneuver in Prevention of Hypoxia During Percutaneous Dilational Tracheostomy: Randomized Trial. <i>Respiratory Care</i> , 2012, 57, 1850-1856.	1.6	5
65	Performance of different continuous positive airway pressure helmets equipped with safety valves during failure of fresh gas supply. , 2012, , 189-193.		0
66	Implications of ICU triage decisions on patient mortality: a cost-effectiveness analysis. <i>Critical Care</i> , 2011, 15, R56.	5.8	71
67	Extracorporeal Membrane Oxygenation for Interhospital Transfer of Severe Acute Respiratory Distress Syndrome Patients: A 5-year Experience. <i>International Journal of Artificial Organs</i> , 2011, 34, 1052-1060.	1.4	38
68	Clinical management of severely hypoxemic patients. <i>Current Opinion in Critical Care</i> , 2011, 17, 50-56.	3.2	11
69	Nonconventional support of respiration. <i>Current Opinion in Critical Care</i> , 2011, 17, 527-532.	3.2	17
70	Bronchopleural Fistulae and Pulmonary Ossification in Posttraumatic Acute Respiratory Distress Syndrome: Successful Treatment With Extracorporeal Support. <i>ASAIO Journal</i> , 2011, 57, 336-340.	1.6	3
71	Extra-corporeal life support for near-fatal multi-drug intoxication: a case report. <i>Journal of Medical Case Reports</i> , 2011, 5, 231.	0.8	18
72	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, 343-347.	8.2	109

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73	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, 1031-1035.	8.2	19
74	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.	8.2	321
75	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, 1193-1199.	5.6	188
76	Carbon dioxide dialysis will save the lung. <i>Critical Care Medicine</i> , 2010, 38, S549-S554.	0.9	344
77	Role of absolute lung volume to assess alveolar recruitment in acute respiratory distress syndrome patients. <i>Critical Care Medicine</i> , 2010, 38, 1300-1307.	0.9	36
78	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, 105-112.	1.2	31
79	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, 621-629.	8.2	137
80	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, 1688-1694.	8.2	9
81	Reasons for refusal of admission to intensive care and impact on mortality. <i>Intensive Care Medicine</i> , 2010, 36, 1772-1779.	8.2	112
82	Percutaneous Vascular Cannulation for Extracorporeal Life Support (ECLS): A Modified Technique. <i>International Journal of Artificial Organs</i> , 2010, 33, 553-557.	1.4	36
83	Helmet Continuous Positive Airway Pressure: Clinical Applications. , 2010, , 13-18.		0
84	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, 378-385.	2.5	33
85	An improved Boussignac device for the delivery of non-invasive CPAP: the SUPER-Boussignac. <i>Intensive Care Medicine</i> , 2009, 35, 1094-1099.	8.2	9
86	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.	8.2	42
87	Blood acidification enhances carbon dioxide removal of membrane lung: an experimental study. <i>Intensive Care Medicine</i> , 2009, 35, 1484-1487.	8.2	61
88	Extracorporeal gas exchange. <i>Current Opinion in Critical Care</i> , 2009, 15, 52-58.	3.2	37
89	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, 2216-2222.	0.9	160
90	Decreasing pulmonary ventilation through bicarbonate ultrafiltration: An experimental study. <i>Critical Care Medicine</i> , 2009, 37, 2612-2618.	0.9	35

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91	Prolonged extracorporeal membrane oxygenation therapy for severe acute respiratory distress syndrome in a child affected by rituximab-resistant autoimmune hemolytic anemia: a case report. <i>Journal of Medical Case Reports</i> , 2009, 3, 6433.	0.8	3
92	Pentraxin 3 in acute respiratory distress syndrome: An early marker of severity*. <i>Critical Care Medicine</i> , 2008, 36, 2302-2308.	0.9	669
93	Extravascular lung water as a predictor of mortality in acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2008, 36, 2220-2221.	0.9	8
94	Extracorporeal Cardiopulmonary Support for Cardiogenic Shock Caused by Pheochromocytoma: A Case Report and Literature Review. <i>Anesthesiology</i> , 2008, 108, 959-962.	2.5	17
95	Lung Injury and Recovery in a Murine Model of Unilateral Acid Aspiration. <i>Anesthesiology</i> , 2008, 108, 1037-1046.	2.5	63
96	Measurement of Pressure-Time Product during Spontaneous Assisted Breathing by Rapid Interrupter Technique. <i>Anesthesiology</i> , 2007, 106, 484-490.	2.5	21
97	Danger of helmet continuous positive airway pressure during failure of fresh gas source supply. <i>Intensive Care Medicine</i> , 2007, 33, 153-157.	8.2	38
98	Lung Recruitment in Patients with the Acute Respiratory Distress Syndrome. <i>New England Journal of Medicine</i> , 2006, 354, 1775-1786.	27.0	4,002
99	Measurement of pulmonary edema in patients with acute respiratory distress syndrome*. <i>Critical Care Medicine</i> , 2005, 33, 2547-2554.	0.9	74
100	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.	8.2	56
101	Head helmet versus face mask for non-invasive continuous positive airway pressure: a physiological study. <i>Intensive Care Medicine</i> , 2003, 29, 1680-1687.	8.2	132
102	Low tidal volume, high respiratory rate and auto-PEEP: the importance of the basics. <i>Critical Care</i> , 2003, 7, 105.	5.8	14
103	Glottic-modulated lung ventilation during continuous transtracheal gas insufflation: An experimental study. <i>Critical Care Medicine</i> , 2003, 31, 1461-1467.	0.9	5
104	Sigh Improves Gas Exchange and Lung Volume in Patients with Acute Respiratory Distress Syndrome Undergoing Pressure Support Ventilation. <i>Anesthesiology</i> , 2002, 96, 788-794.	2.5	109
105	Translaryngeal tracheostomy in acute respiratory distress syndrome patients. <i>Intensive Care Medicine</i> , 2002, 28, 726-730.	8.2	8
106	Permissive hypercapnia. <i>Current Opinion in Critical Care</i> , 2001, 7, 34-40.	3.2	42
107	Computerised tomography scan imaging in acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2001, 27, 631-639.	8.2	27