Domenico Luca Grieco

List of Publications by Citations

89 papers	1,658 citations	20 h-index	39 g-index
103 ext. papers	2,814 ext. citations	6.8 avg, IF	4.94 L-index

#	Paper	IF	Citations
89	Pathophysiology of COVID-19-associated acute respiratory distress syndrome: a multicentre prospective observational study. *Lancet Respiratory Medicine,the*, **2020**, 8, 1201-1208	35.1	293
88	Effect of Helmet Noninvasive Ventilation vs High-Flow Nasal Oxygen on Days Free of Respiratory Support in Patients With COVID-19 and Moderate to Severe Hypoxemic Respiratory Failure: The HENIVOT Randomized Clinical Trial. *JAMA - Journal of the American Medical Association*, **2021**, 325, 1731-1743	27.4	103
87	Esophageal Manometry and Regional Transpulmonary Pressure in Lung Injury. *American Journal of Respiratory and Critical Care Medicine*, **2018**, 197, 1018-1026	10.2	97
86	Potential for Lung Recruitment Estimated by the Recruitment-to-Inflation Ratio in Acute Respiratory Distress Syndrome. A Clinical Trial. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 201, 178-187	10.2	87
85	Airway Closure in Acute Respiratory Distress Syndrome: An Underestimated and Misinterpreted Phenomenon. *American Journal of Respiratory and Critical Care Medicine*, **2018**, 197, 132-136	10.2	79
84	Respiratory physiology of COVID-19-induced respiratory failure compared to ARDS of other etiologies. *Critical Care*, **2020**, 24, 529	10.8	73
83	Patient self-inflicted lung injury: implications for acute hypoxemic respiratory failure and ARDS patients on non-invasive support. *Minerva Anestesiologica*, **2019**, 85, 1014-1023	1.9	71
82	Lung- and Diaphragm-Protective Ventilation. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 202, 950-961	10.2	61
81	Physiological Comparison of High-Flow Nasal Cannula and Helmet Noninvasive Ventilation in Acute Hypoxemic Respiratory Failure. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 201, 303-312	10.2	54
80	Prone position in intubated, mechanically ventilated patients with COVID-19: a multi-centric study of more than 1000 patients. *Critical Care*, **2021**, 25, 128	10.8	49
79	Transpulmonary pressure: importance and limits. *Annals of Translational Medicine*, **2017**, 5, 285	3.2	47
78	Patient self-inflicted lung injury and positive end-expiratory pressure for safe spontaneous breathing. *Current Opinion in Critical Care*, **2020**, 26, 59-65	3.5	37
77	ECMO for COVID-19 patients in Europe and Israel. *Intensive Care Medicine*, **2021**, 47, 344-348	14.5	37
76	Airway Closure during Surgical Pneumoperitoneum in Obese Patients. *Anesthesiology*, **2019**, 131, 58-73	4.3	34
75	Sleep and Pathological Wakefulness at the Time of Liberation from Mechanical Ventilation (SLEEWE). A Prospective Multicenter Physiological Study. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 199, 1106-1115	10.2	32
74	Expiratory Flow Limitation During Mechanical Ventilation. *Chest*, **2018**, 154, 948-962	5.3	28
73	Intrathoracic Airway Closure Impacts CO Signal and Delivered Ventilation during Cardiopulmonary Resuscitation. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 199, 728-737	10.2	24

72	COVID-19 and intestinal inflammation: Role of fecal calprotectin. *Digestive and Liver Disease*, **2020**, 52, 1231-1233	3.3	20
71	COVID-19 symptoms at hospital admission vary with age and sex: results from the ISARIC prospective multinational observational study. *Infection*, **2021**, 49, 889-905	5.8	20
70	High-flow nasal oxygen versus noninvasive ventilation in adult patients with cystic fibrosis: a randomized crossover physiological study. *Annals of Intensive Care*, **2018**, 8, 85	8.9	20
69	Assessment of neurological manifestations in hospitalized patients with COVID-19. *European Journal of Neurology*, **2020**, 27, 2322-2328	6	19
68	Taking Care of Relationships in the Intensive Care Unit: Positive Impact on Family Consent for Organ Donation. *Transplantation Proceedings*, **2016**, 48, 3245-3250	1.1	19
67	Should we use driving pressure to set tidal volume?. *Current Opinion in Critical Care*, **2017**, 23, 38-44	3.5	18
66	Lung volumes, respiratory mechanics and dynamic strain during general anaesthesia. *British Journal of Anaesthesia*, **2018**, 121, 1156-1165	5.4	17
65	Ultrasound assessment of rectus femoris and anterior tibialis muscles in young trauma patients. *Annals of Intensive Care*, **2017**, 7, 104	8.9	17
64	Staphylococcus aureus ventilator-associated pneumonia in patients with COVID-19: clinical features and potential inference with lung dysbiosis. *Critical Care*, **2021**, 25, 197	10.8	16
63	Non-invasive ventilatory support and high-flow nasal oxygen as first-line treatment of acute hypoxemic respiratory failure and ARDS. *Intensive Care Medicine*, **2021**, 47, 851-866	14.5	16
62	Early nasal high-flow versus Venturi mask oxygen therapy after lung resection: a randomized trial. *Critical Care*, **2019**, 23, 68	10.8	13
61	Learning curve of endoscopic pituitary surgery: Experience of a neurosurgery/ENT collaboration. *Journal of Clinical Neuroscience*, **2018**, 47, 299-303	2.2	13
60	Electrical impedance tomography in perioperative medicine: careful respiratory monitoring for tailored interventions. *BMC Anesthesiology*, **2019**, 19, 140	2.4	13
59	Orthodontic treatment attitude versus orthodontic treatment need: differences by gender, age, socioeconomical status and geographical context. *Community Dentistry and Oral Epidemiology*, **2012**, 40 Suppl 1, 71-6	2.8	12
58	New physiological insights in ventilation during cardiopulmonary resuscitation. *Current Opinion in Critical Care*, **2019**, 25, 37-44	3.5	12
57	Thromboelastography clot strength profiles and effect of systemic anticoagulation in COVID-19 acute respiratory distress syndrome: a prospective, observational study. *European Review for Medical and Pharmacological Sciences*, **2020**, 24, 12466-12479	2.9	11
56	Continuous intravenous analgesia with fentanyl or morphine after gynecological surgery: a cohort study. *Journal of Anesthesia*, **2017**, 31, 51-57	2.2	10
55	Physiological effects of high-flow oxygen in tracheostomized patients. *Annals of Intensive Care*, **2019**, 9, 114	8.9	10

54	Lung ultrasound predicts non-invasive ventilation outcome in COVID-19 acute respiratory failure: a pilot study. *Minerva Anestesiologica*, **2021**, 87, 1006-1016	1.9	10
53	Expiratory flow limitation in intensive care: prevalence and risk factors. *Critical Care*, **2019**, 23, 395	10.8	9
52	(1,3)-ED-Glucan-based empirical antifungal interruption in suspected invasive candidiasis: a randomized trial. *Critical Care*, **2020**, 24, 550	10.8	7
51	Awake Proning as an Adjunctive Therapy for Refractory Hypoxemia in Non-Intubated Patients with COVID-19 Acute Respiratory Failure: Guidance from an International Group of Healthcare Workers. *American Journal of Tropical Medicine and Hygiene*, **2021**,	3.2	7
50	Goal-directed hemodynamic management in patients undergoing primary debulking gynaecological surgery: A matched-controlled precision medicine study. *Gynecologic Oncology*, **2018**, 151, 299-305	4.9	7
49	Early coagulation support protocol: A valid approach in real-life management of major trauma patients. Results from two Italian centres. *Injury*, **2019**, 50, 1671-1677	2.5	6
48	Dyspnoea and respiratory muscle ultrasound to predict extubation failure. *European Respiratory Journal*, **2021**, 58,	13.6	6
47	An appraisal of respiratory system compliance in mechanically ventilated covid-19 patients. *Critical Care*, **2021**, 25, 199	10.8	6
46	Tidal Volume Lowering by Instrumental Dead Space Reduction in Brain-Injured ARDS Patients: Effects on Respiratory Mechanics, Gas Exchange, and Cerebral Hemodynamics. *Neurocritical Care*, **2021**, 34, 21-30	3.3	6
45	COVID-19 influences lung microbiota dynamics and favors the emergence of rare infectious diseases: A case report of Hafnia Alvei pneumonia. *Journal of Critical Care*, **2021**, 64, 173-175	4	6
44	Electrical impedance tomography to monitor lung sampling during broncho-alveolar lavage. *Intensive Care Medicine*, **2016**, 42, 1088-9	14.5	5
43	Extracorporeal immune modulation in COVID-19 induced immune dysfunction and secondary infections: the role of oXiris membrane. *Minerva Anestesiologica*, **2021**, 87, 384-385	1.9	5
42	Diaphragm thickening fraction predicts noninvasive ventilation outcome: a preliminary physiological study. *Critical Care*, **2021**, 25, 219	10.8	5
41	Case Scenario: Perioperative Management of a Young Woman with Fontan Repair for Major Gynecologic Surgery. *Anesthesiology*, **2016**, 124, 464-70	4.3	5
40	Comparison of Endoscopic Versus Microsurgical Resection of Pituitary Adenomas with Parasellar Extension and Evaluation of the Predictive Value of a Simple 4-Quadrant Radiologic Classification. *World Neurosurgery*, **2019**, 121, e769-e774	2.1	5
39	Airway closure and fiberoptic evidence of bronchial collapse during the acute respiratory distress syndrome. *Intensive Care Medicine*, **2019**, 45, 1838-1839	14.5	4
38	Patient-ventilator interaction with conventional and automated management of pressure support during difficult weaning from mechanical ventilation. *Journal of Critical Care*, **2018**, 48, 203-210	4	4
37	High-flow nasal cannula for body rewarming in hypothermia. *Critical Care*, **2020**, 24, 122	10.8	3

36	Ventilation During Cardiopulmonary Resuscitation: What Have We Learned From Models?. *Respiratory Care*, **2019**, 64, 1132-1138	2.1	3
35	The value of open-source clinical science in pandemic response: lessons from ISARIC. *Lancet Infectious Diseases, The*, **2021**, 21, 1623-1624	25.5	3
34	Immune Modulation in Critically Ill Septic Patients. *Medicina (Lithuania)*, **2021**, 57,	3.1	3
33	Sigh in Patients With Acute Hypoxemic Respiratory Failure and ARDS: The PROTECTION Pilot Randomized Clinical Trial. *Chest*, **2021**, 159, 1426-1436	5.3	3
32	Hemadsorption. *Current Opinion in Anaesthesiology*, **2021**, 34, 113-118	2.9	3
31	High Flow Nasal Oxygen for Severe Hypoxemia: Oxygenation Response and Outcome in COVID-19 Patients. *American Journal of Respiratory and Critical Care Medicine*, **2021**,	10.2	2
30	Noninvasive respiratory support for acute respiratory failure due to COVID-19. *Current Opinion in Critical Care*, **2021**,	3.5	2
29	Reply to Spinelli and Mauri: Lung and Diaphragm Protection during Noninvasive Respiratory Support. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 201, 876-878	10.2	2
28	Instrumental dead space in ventilator management. *Lancet Respiratory Medicine,the*, **2021**, 9, e22	35.1	2
27	Dyspnoea and clinical outcome in critically ill patients receiving noninvasive support for COVID-19 respiratory failure: analysis of a randomised clinical trial. *ERJ Open Research*, **2021**, 7,	3.5	2
26	Compassionate use of anti-IL6 receptor antibodies in critically ill patients with acute respiratory distress syndrome due to SARS-CoV-2. *Minerva Anestesiologica*, **2021**, 87, 1080-1090	1.9	2
25	Gas conditioning during helmet noninvasive ventilation: effect on comfort, gas exchange, inspiratory effort, transpulmonary pressure and patient-ventilator interaction.. *Annals of Intensive Care*, **2021**, 11, 184	8.9	2
24	Long-term pancreatic exocrine and endometabolic functionality after pancreaticoduodenectomy. Comparison between pancreaticojejunostomy and pancreatic duct occlusion with fibrin glue. *European Review for Medical and Pharmacological Sciences*, **2018**, 22, 4310-4318	2.9	2
23	A new and promising tool to evaluate mass and structural changes of skeletal muscle in trauma patients. *Intensive Care Medicine*, **2015**, 41, 360-1	14.5	1
22	PEEP-induced changes in lung volume to estimate transpulmonary pressure: the role of alveolar recruitment. *British Journal of Anaesthesia*, **2018**, 121, 101-103	5.4	1
21	Lung protective vs. standard ventilation during laparoscopic surgery in obese patients. preliminary results of a randomized, controlled trial. *Intensive Care Medicine Experimental*, **2015**, 3,	3.7	1
20	Hemodynamic response to positive end-expiratory pressure and prone position in COVID-19 ARDS.. *Respiratory Physiology and Neurobiology*, **2022**, 298, 103844	2.8	1
19	Gastric insufflation during cardiopulmonary resuscitation: A study in human cadavers. *Resuscitation*, **2020**, 146, 111-117	4	1

18	Respiratory mechanics heterogeneity is related to inflammatory biomarkers in acute respiratory distress syndrome due to COVID-19. *Minerva Anestesiologica*, **2021**, 87, 740-744	1.9	1
17	Data on the application of early coagulation support protocol in the management of major trauma patients. *Data in Brief*, **2019**, 27, 104768	1.2	1
16	Noninvasive ventilation and high-flow oxygen therapy for severe community-acquired pneumonia. *Current Opinion in Infectious Diseases*, **2021**, 34, 142-150	5.4	1
15	Pressure support ventilation + sigh in acute hypoxemic respiratory failure patients: study protocol for a pilot randomized controlled trial, the PROTECTION trial. *Trials*, **2018**, 19, 460	2.8	1
14	Gemelli decision tree Algorithm to Predict the need for home monitoring or hospitalization of confirmed and unconfirmed COVID-19 patients (GAP-Covid19): preliminary results from a retrospective cohort study. *European Review for Medical and Pharmacological Sciences*, **2021**, 25, 2785-2794	2.9	1
13	Awake prone positioning in nonintubated spontaneous breathing ICU patients with acute hypoxemic respiratory failure (PRONELIFE)-protocol for a randomized clinical trial.. *Trials*, **2022**, 23, 30	2.8	0
12	Epidemiology of home injuries: a large observational study among adult mothers in Italy. *Annali Dell'Istituto Superiore Di Sanita*, **2013**, 49, 376-82	1.6	0
11	Respiratory Drive in Patients with Sepsis and Septic Shock: Modulation by High-flow Nasal Cannula. *Anesthesiology*, **2021**, 135, 1066-1075	4.3	0
10	Impact of lung structure on airway opening index during mechanical versus manual chest compressions in a porcine model of cardiac arrest. *Respiratory Physiology and Neurobiology*, **2021**, 296, 103807	2.8	0
9	Remdesivir plus Dexamethasone in COVID-19: A cohort study of severe patients requiring high flow oxygen therapy or non-invasive ventilation.. *PLoS ONE*, **2022**, 17, e0267038	3.7	0
8	Reply to Rezoagli : CO Oscillation during Cardiopulmonary Resuscitation: The Role of Respiratory System Compliance. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 199, 1291-1293	10.2	
7	Microbiologic surveillance through subglottic secretion cultures during invasive mechanical ventilation: a prospective observational study. *Journal of Critical Care*, **2020**, 59, 42-48	4	
6	Individualized positive end-expiratory pressure guided by end-expiratory lung volume in early acute respiratory distress syndrome: study protocol for the multicenter, randomized IPERPEEP trial.. *Trials*, **2022**, 23, 63	2.8	
5	Adaptive Support Ventilation From Intubation to Extubation: A Word of Caution. *Chest*, **2016**, 149, 280-1	5.3	
4	Reply to Chalkias and Xanthos: Airway Pressure Monitoring May Improve Small Airway Flow, Hemodynamics, and Tissue Oxygenation. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 199, 929-930	10.2	
3	Low ventilation associated with chest compression, an old observation that requires new physiological interpretation. *American Journal of Emergency Medicine*, **2019**, 37, 1212-1213	2.9	
2	Diaphragm myoclonus-induced autotriggering during neurally adjusted ventilatory assist. *Intensive Care Medicine*, **2018**, 44, 2309-2311	14.5	
1	Non-Invasive Ventilation: Indications and Caveats **2022**, 93-103		