

Salvatore Grasso

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.

102
papers

5,566
citations

34
h-index

74
g-index

115
ext. papers

6,781
ext. citations

5.1
avg. IF

5.4
L-index

#	Paper	IF	Citations
102	Mortality after surgery in Europe: a 7 day cohort study. <i>Lancet, The</i> , 2012 , 380, 1059-65	40	1278
101	Effects of recruiting maneuvers in patients with acute respiratory distress syndrome ventilated with protective ventilatory strategy. <i>Anesthesiology</i> , 2002 , 96, 795-802	4.3	369
100	The application of esophageal pressure measurement in patients with respiratory failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 189, 520-31	10.2	318
99	Esophageal and transpulmonary pressure in the clinical setting: meaning, usefulness and perspectives. <i>Intensive Care Medicine</i> , 2016 , 42, 1360-73	14.5	234
98	Effect of a lung protective strategy for organ donors on eligibility and availability of lungs for transplantation: a randomized controlled trial. <i>JAMA - Journal of the American Medical Association</i> , 2010 , 304, 2620-7	27.4	230
97	Airway pressure-time curve profile (stress index) detects tidal recruitment/hyperinflation in experimental acute lung injury. <i>Critical Care Medicine</i> , 2004 , 32, 1018-27	1.4	203
96	ARDSnet ventilatory protocol and alveolar hyperinflation: role of positive end-expiratory pressure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007 , 176, 761-7	10.2	178
95	Pressure-time curve predicts minimally injurious ventilatory strategy in an isolated rat lung model. <i>Anesthesiology</i> , 2000 , 93, 1320-8	4.3	155
94	ECMO criteria for influenza A (H1N1)-associated ARDS: role of transpulmonary pressure. <i>Intensive Care Medicine</i> , 2012 , 38, 395-403	14.5	140
93	Effects of high versus low positive end-expiratory pressures in acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 171, 1002-8	10.2	139
92	Impact of prolonged assisted ventilation on diaphragmatic efficiency: NAVA versus PSV. <i>Critical Care</i> , 2016 , 20, 1	10.8	137
91	The standard of care of patients with ARDS: ventilatory settings and rescue therapies for refractory hypoxemia. <i>Intensive Care Medicine</i> , 2016 , 42, 699-711	14.5	130
90	Epidemiology, practice of ventilation and outcome for patients at increased risk of postoperative pulmonary complications: LAS VEGAS - an observational study in 29 countries. <i>European Journal of Anaesthesiology</i> , 2017 , 34, 492-507	2.3	123
89	Cerebro-pulmonary interactions during the application of low levels of positive end-expiratory pressure. <i>Intensive Care Medicine</i> , 2005 , 31, 373-9	14.5	99
88	Lung morphology predicts response to recruitment maneuver in patients with acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2010 , 38, 1108-17	1.4	97
87	Inhomogeneity of lung parenchyma during the open lung strategy: a computed tomography scan study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009 , 180, 415-23	10.2	92
86	Compensation for increase in respiratory workload during mechanical ventilation. Pressure-support versus proportional-assist ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000 , 161, 819-26	10.2	92

85	Use of N-terminal pro-brain natriuretic peptide to detect acute cardiac dysfunction during weaning failure in difficult-to-wean patients with chronic obstructive pulmonary disease. <i>Critical Care Medicine</i> , 2007 , 35, 96-105	1.4	90
84	Acute lung injury and acute respiratory distress syndromes in veterinary medicine: consensus definitions: The Dorothy Russell Havemeyer Working Group on ALI and ARDS in Veterinary Medicine. <i>Journal of Veterinary Emergency and Critical Care</i> , 2007 , 17, 333-339	1.7	83
83	Effects of recruitment maneuver and positive end-expiratory pressure on respiratory mechanics and transpulmonary pressure during laparoscopic surgery. <i>Anesthesiology</i> , 2013 , 118, 114-22	4.3	82
82	Effects of proportional assist ventilation on inspiratory muscle effort in patients with chronic obstructive pulmonary disease and acute respiratory failure. <i>Anesthesiology</i> , 1997 , 86, 79-91	4.3	82
81	Pulmonary atelectasis during low stretch ventilation: "open lung" versus "lung rest" strategy. <i>Critical Care Medicine</i> , 2009 , 37, 1046-53	1.4	79
80	Computed tomographic analysis of the effects of two inspired oxygen concentrations on pulmonary aeration in anesthetized and mechanically ventilated dogs. <i>American Journal of Veterinary Research</i> , 2007 , 68, 925-31	1.1	72
79	Neurally adjusted ventilatory assist in critically ill postoperative patients: a crossover randomized study. <i>Anesthesiology</i> , 2010 , 113, 925-35	4.3	64
78	A method for monitoring and improving patient: ventilator interaction. <i>Intensive Care Medicine</i> , 2007 , 33, 1337-46	14.5	64
77	Physiological Effects of the Open Lung Approach in Patients with Early, Mild, Diffuse Acute Respiratory Distress Syndrome: An Electrical Impedance Tomography Study. <i>Anesthesiology</i> , 2015 , 123, 1113-21	4.3	51
76	Physiological effects of a lung-recruiting strategy applied during one-lung ventilation. <i>Acta Anaesthesiologica Scandinavica</i> , 2008 , 52, 766-75	1.9	49
75	Can diaphragmatic ultrasonography performed during the T-tube trial predict weaning failure? The role of diaphragmatic rapid shallow breathing index. <i>Critical Care</i> , 2016 , 20, 305	10.8	49
74	High-flow nasal cannula oxygen therapy decreases postextubation neuroventilatory drive and work of breathing in patients with chronic obstructive pulmonary disease. <i>Critical Care</i> , 2018 , 22, 180	10.8	47
73	Accuracy of plateau pressure and stress index to identify injurious ventilation in patients with acute respiratory distress syndrome. <i>Anesthesiology</i> , 2013 , 119, 880-9	4.3	45
72	Physiological effects of an open lung ventilatory strategy titrated on elastance-derived end-inspiratory transpulmonary pressure: study in a pig model*. <i>Critical Care Medicine</i> , 2012 , 40, 2124-31 ^{1.4}	1.4	42
71	Low respiratory rate plus minimally invasive extracorporeal Co2 removal decreases systemic and pulmonary inflammatory mediators in experimental Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2014 , 42, e451-60	1.4	40
70	Auto-positive end-expiratory pressure and dynamic hyperinflation. <i>Clinics in Chest Medicine</i> , 1996 , 17, 379-94	5.3	39
69	Time-course of impairment of respiratory mechanics after cardiac surgery and cardiopulmonary bypass. <i>Critical Care Medicine</i> , 1999 , 27, 1454-60	1.4	35
68	Physiologic Evaluation of Ventilation Perfusion Mismatch and Respiratory Mechanics at Different Positive End-expiratory Pressure in Patients Undergoing Protective One-lung Ventilation. <i>Anesthesiology</i> , 2018 , 128, 531-538	4.3	33

67	Effects of two fractions of inspired oxygen on lung aeration and gas exchange in cats under inhalant anaesthesia. <i>Veterinary Anaesthesia and Analgesia</i> , 2010 , 37, 483-90	1.3	30
66	Use of the oxygen content-based index, Fshunt, as an indicator of pulmonary venous admixture at various inspired oxygen fractions in anesthetized sheep. <i>American Journal of Veterinary Research</i> , 2012 , 73, 2013-20	1.1	29
65	Effects of positive end-expiratory pressure on anesthesia-induced atelectasis and gas exchange in anesthetized and mechanically ventilated sheep. <i>American Journal of Veterinary Research</i> , 2010 , 71, 867-74	1.1	28
64	Effects of reduction of inspired oxygen fraction or application of positive end-expiratory pressure after an alveolar recruitment maneuver on respiratory mechanics, gas exchange, and lung aeration in dogs during anesthesia and neuromuscular blockade. <i>American Journal of Veterinary Research</i> , 2013 , 74, 25-33	1.1	27
63	Point of Care Ultrasound to Identify Diaphragmatic Dysfunction after Thoracic Surgery. <i>Anesthesiology</i> , 2019 , 131, 266-278	4.3	21
62	Risk stratification using SpO ₂ /FIO ₂ and PEEP at initial ARDS diagnosis and after 24h in patients with moderate or severe ARDS. <i>Annals of Intensive Care</i> , 2017 , 7, 108	8.9	19
61	Association between night-time surgery and occurrence of intraoperative adverse events and postoperative pulmonary complications. <i>British Journal of Anaesthesia</i> , 2019 , 122, 361-369	5.4	18
60	Nonelective surgery at night and in-hospital mortality: Prospective observational data from the European Surgical Outcomes Study. <i>European Journal of Anaesthesiology</i> , 2015 , 32, 477-85	2.3	18
59	Accuracy of different oxygenation indices in estimating intrapulmonary shunting at increasing infusion rates of dobutamine in horses under general anaesthesia. <i>Veterinary Journal</i> , 2015 , 204, 351-6	2.5	17
58	Noninvasive continuous positive airway pressure delivered using a pediatric helmet in dogs recovering from general anesthesia. <i>Journal of Veterinary Emergency and Critical Care</i> , 2014 , 24, 578-85	1.7	17
57	Respiratory effects of low versus high tidal volume with or without positive end-expiratory pressure in anesthetized dogs with healthy lungs. <i>American Journal of Veterinary Research</i> , 2018 , 79, 496-504	1.1	16
56	Lung Recruitability in Severe Acute Respiratory Distress Syndrome Requiring Extracorporeal Membrane Oxygenation. <i>Critical Care Medicine</i> , 2019 , 47, 1177-1183	1.4	16
55	Chest wall and lung contribution to the elastic properties of the respiratory system in patients with chronic obstructive pulmonary disease. <i>European Respiratory Journal</i> , 1996 , 9, 1232-9	13.6	15
54	Cefiderocol-Based Combination Therapy for "Difficult-to-Treat" Gram-Negative Severe Infections: Real-Life Case Series and Future Perspectives. <i>Antibiotics</i> , 2021 , 10,	4.9	15
53	High-flow oxygen therapy in tracheostomized patients at high risk of weaning failure. <i>Annals of Intensive Care</i> , 2019 , 9, 4	8.9	15
52	Recruitment maneuvers in acute respiratory distress syndrome and during general anesthesia. <i>Minerva Anestesiologica</i> , 2016 , 82, 210-20	1.9	14
51	QTc Interval Prolongation and Life-Threatening Arrhythmias During Hospitalization in Patients With Coronavirus Disease 2019 (COVID-19): Results From a Multicenter Prospective Registry. <i>Clinical Infectious Diseases</i> , 2021 , 73, e4031-e4038	11.6	13
50	Peep titration based on the open lung approach during one lung ventilation in thoracic surgery: a physiological study. <i>BMC Anesthesiology</i> , 2018 , 18, 156	2.4	13

49	WHICH AIRWAY PRESSURE SHOULD BE APPLIED DURING BREATH-HOLD IN DOGS UNDERGOING THORACIC COMPUTED TOMOGRAPHY?. <i>Veterinary Radiology and Ultrasound</i> , 2016 , 57, 475-81	1.2	12
48	An alveolar recruitment maneuver followed by positive end-expiratory pressure improves lung function in healthy dogs undergoing laparoscopy. <i>Veterinary Anaesthesia and Analgesia</i> , 2018 , 45, 618-629	1.3	12
47	Effects of Positive End-Expiratory Pressure in "High Compliance" Severe Acute Respiratory Syndrome Coronavirus 2 Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2020 , 48, e1332-e1336	1.4	12
46	Physiological effects of the open lung approach during laparoscopic cholecystectomy: focus on driving pressure. <i>Minerva Anestesiologica</i> , 2018 , 84, 159-167	1.9	12
45	Epidemiological Characteristics, Ventilator Management, and Clinical Outcome in Patients Receiving Invasive Ventilation in Intensive Care Units from 10 Asian Middle-Income Countries (PRoVENT-iMiC): An International, Multicenter, Prospective Study. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021	3.2	11
44	PRactice of VENTilation in Middle-Income Countries (PRoVENT-iMIC): rationale and protocol for a prospective international multicentre observational study in intensive care units in Asia. <i>BMJ Open</i> , 2018 , 8, e020841	3	10
43	Proportional assist ventilation. <i>Respiratory Care Clinics of North America</i> , 2001 , 7, 465-73, ix-x		9
42	More skilled clinical management of COVID-19 patients modified mortality in an intermediate respiratory intensive care unit in Italy. <i>Respiratory Research</i> , 2021 , 22, 16	7.3	8
41	Extracorporeal Oxygenation and Coronavirus Disease 2019 Epidemic: Is the Membrane Fail-Safe to Cross Contamination?. <i>ASAIO Journal</i> , 2020 , 66, 841-843	3.6	7
40	Continuous assessment of neuro-ventilatory drive during 12h of pressure support ventilation in critically ill patients. <i>Critical Care</i> , 2020 , 24, 652	10.8	6
39	Physiological effects of two driving pressure-based methods to set positive end-expiratory pressure during one lung ventilation. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 35, 1149-1157	2	6
38	Focus on renal blood flow in mechanically ventilated patients with SARS-CoV-2: a prospective pilot study. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 1	2	5
37	Accuracy of the Radiographic Assessment of Lung Edema Score for the Diagnosis of ARDS. <i>Frontiers in Physiology</i> , 2021 , 12, 672823	4.6	4
36	Flow Index: a novel, non-invasive, continuous, quantitative method to evaluate patient inspiratory effort during pressure support ventilation. <i>Critical Care</i> , 2021 , 25, 196	10.8	4
35	Evaluation of the effects of helmet continuous positive airway pressure on laryngeal size in dogs anesthetized with propofol and fentanyl using computed tomography. <i>Journal of Veterinary Emergency and Critical Care</i> , 2020 , 30, 543-549	1.7	3
34	Effects of positive end-expiratory pressure alone or an open-lung approach on recruited lung volumes and respiratory mechanics of mechanically ventilated horses. <i>Veterinary Anaesthesia and Analgesia</i> , 2019 , 46, 780-788	1.3	3
33	Non-invasive assessment of respiratory muscle activity during pressure support ventilation: accuracy of end-inspiration occlusion and least square fitting methods. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 35, 913-921	2	3
32	Definition and clinical evaluation of a recruiting airway pressure based on the specific lung elastance in anesthetized dogs. <i>Veterinary Anaesthesia and Analgesia</i> , 2021 , 48, 484-492	1.3	3

31	Lung Ultrasound for Detection of Pulmonary Complications in Critically Ill Obstetric Patients in a Resource-Limited Setting. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020 ,	3.2	3
30	Transpulmonary pressure targets for open lung and protective ventilation: response to Dr. Graf's comment. <i>Intensive Care Medicine</i> , 2012 , 38, 1567-1568	14.5	2
29	Thermo-optic design for microwave and millimeter-wave electromagnetic power microsensors. <i>Applied Optics</i> , 2002 , 41, 3601-12	1.7	2
28	Proportional assist ventilation. <i>Seminars in Respiratory and Critical Care Medicine</i> , 2000 , 21, 161-6	3.9	2
27	Effects of liver ischemia-reperfusion injury on respiratory mechanics and driving pressure during orthotopic liver transplantation. <i>Minerva Anestesiologica</i> , 2019 , 85, 494-504	1.9	2
26	Can visual inspection of the electrical activity of the diaphragm improve the detection of patient-ventilator asynchronies by pediatric critical care physicians?. <i>Minerva Anestesiologica</i> , 2021 , 87, 319-324	1.9	2
25	Initial setting of high-flow nasal oxygen post extubation based on mean inspiratory flow during a spontaneous breathing trial. <i>Journal of Critical Care</i> , 2021 , 63, 40-44	4	2
24	Imaging Evaluation of Pulmonary and Non-Ischaemic Cardiovascular Manifestations of COVID-19. <i>Diagnostics</i> , 2021 , 11,	3.8	2
23	Effects of continuous positive airway pressure administered by a helmet in cats under general anaesthesia. <i>Journal of Feline Medicine and Surgery</i> , 2021 , 23, 337-343	2.3	2
22	Intraoperative Assessment of Fluid Responsiveness in Normotensive Dogs under Isoflurane Anaesthesia. <i>Veterinary Sciences</i> , 2021 , 8,	2.4	2
21	Flow Index accurately identifies breaths with low or high inspiratory effort during pressure support ventilation.. <i>Critical Care</i> , 2021 , 25, 427	10.8	2
20	Single lung ventilation associated to ECMO: an alternative approach to manage ventilator-induced lung injuries in infants. <i>Minerva Anestesiologica</i> , 2019 , 85, 90-91	1.9	1
19	Partially Assisted Ventilation-induced Lung Injury in Early Acute Respiratory Distress Syndrome. When Real Life Is Different from Classical Physiology. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 196, 538-539	10.2	1
18	Measurement of PEEP-induced alveolar recruitment: just a research tool?. <i>Critical Care</i> , 2006 , 10, 148	10.8	1
17	The Prognostic Capacity of the Radiographic Assessment for Lung Edema Score in Patients With COVID-19 Acute Respiratory Distress Syndrome-An International Multicenter Observational Study.. <i>Frontiers in Medicine</i> , 2021 , 8, 772056	4.9	1
16	Respiratory and hemodynamic effects of 2 protocols of low-dose infusion of dexmedetomidine in dogs under isoflurane anesthesia. <i>Canadian Journal of Veterinary Research</i> , 2020 , 84, 96-107	0.5	1
15	"Hemolysis, or not Hemolysis, that is the Question". Use of Hydroxychloroquine in a Patient with COVID-19 Infection and G6PD Deficiency. <i>Mediterranean Journal of Hematology and Infectious Diseases</i> , 2020 , 12, e2020076	3.2	1
14	Assisted Ventilation in the ICU: When and to Whom? 2018 , 103-120		1

13	Evaluation of Lung Aeration and Respiratory System Mechanics in Obese Dogs Ventilated With Tidal Volumes Based on Ideal vs. Current Body Weight. <i>Frontiers in Veterinary Science</i> , 2021 , 8, 704863	3.1	1
12	A simple prognostic score based on troponin and presepsin for COVID-19 patients admitted to the emergency department: a single-center pilot study. <i>Acta Biomedica</i> , 2021 , 92, e2021233	3.2	0
11	A year in review in <i>Minerva Anestesiologica</i> 2016. Critical Care. Experimental and clinical studies. <i>Minerva Anestesiologica</i> , 2017 , 83, 108-120	1.9	
10	Does High-Frequency Ventilation Have Still a Role Among the Current Ventilatory Strategies? 2016 , 69-78		
9	A year in review in <i>Minerva Anestesiologica</i> 2017 Critical Care: experimental and clinical studies. <i>Minerva Anestesiologica</i> , 2018 , 84, 128-139	1.9	
8	The authors reply. <i>Critical Care Medicine</i> , 2013 , 41, e10-1	1.4	
7	The authors reply. <i>Critical Care Medicine</i> , 2013 , 41, e1-2	1.4	
6	The Quest for the Holy Grail: A Dead Lock. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 182, 580-581	10.2	
5	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.. <i>Trials</i> , 2022 , 23, 63	2.8	
4	Monitoring Mechanical Ventilation 2006 , 137-148		
3	A year in review in <i>Minerva Anestesiologica</i> 2018. Critical care. Experimental and clinical studies. <i>Minerva Anestesiologica</i> , 2019 , 85, 95-105	1.9	
2	Circulating Skeletal Troponin During Weaning From Mechanical Ventilation and Their Association to Diaphragmatic Function: A Pilot Study.. <i>Frontiers in Medicine</i> , 2021 , 8, 770408	4.9	
1	Hemoptysis due to a large endobronchial mass successful regression after the use of high flow nasal cannula. <i>Monaldi Archives for Chest Disease</i> , 2020 , 90,	2.7	