

# Paolo Pelosi

## List of Publications by Year in descending order

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Version: 2024-02-01

633  
papers

44,167  
citations

3721

89  
h-index

2812

191  
g-index

648  
all docs

648  
docs citations

648  
times ranked

22305  
citing authors

| #  | ARTICLE                                                                                                                                                                                              | IF   | CITATIONS |
|----|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Incidence and prognosis of intraabdominal hypertension in a mixed population of critically ill patients: A multiple-center epidemiological study*. Critical Care Medicine, 2005, 33, 315-322.        | 0.4  | 1,885     |
| 2  | Mortality after surgery in Europe: a 7 day cohort study. Lancet, The, 2012, 380, 1059-1065.                                                                                                          | 6.3  | 1,614     |
| 3  | A Trial of Goal-Oriented Hemodynamic Therapy in Critically Ill Patients. New England Journal of Medicine, 1995, 333, 1025-1032.                                                                      | 13.9 | 1,502     |
| 4  | Prevalence of intra-abdominal hypertension in critically ill patients: a multicentre epidemiological study. Intensive Care Medicine, 2004, 30, 822-829.                                              | 3.9  | 1,188     |
| 5  | Effect of Prone Positioning on the Survival of Patients with Acute Respiratory Failure. New England Journal of Medicine, 2001, 345, 568-573.                                                         | 13.9 | 1,184     |
| 6  | Evolution of Mechanical Ventilation in Response to Clinical Research. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 170-177.                                                | 2.5  | 1,133     |
| 7  | Acute Respiratory Distress Syndrome Caused by Pulmonary and Extrapulmonary Disease. American Journal of Respiratory and Critical Care Medicine, 1998, 158, 3-11.                                     | 2.5  | 1,097     |
| 8  | Evolution of Mortality over Time in Patients Receiving Mechanical Ventilation. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 220-230.                                       | 2.5  | 999       |
| 9  | Guidelines for pre-operative cardiac risk assessment and perioperative cardiac management in non-cardiac surgery. European Heart Journal, 2009, 30, 2769-2812.                                       | 1.0  | 735       |
| 10 | What Has Computed Tomography Taught Us about the Acute Respiratory Distress Syndrome?. American Journal of Respiratory and Critical Care Medicine, 2001, 164, 1701-1711.                             | 2.5  | 706       |
| 11 | Recruitment and Derecruitment during Acute Respiratory Failure. American Journal of Respiratory and Critical Care Medicine, 2001, 164, 131-140.                                                      | 2.5  | 585       |
| 12 | Body Position Changes Redistribute Lung Computed-Tomographic Density in Patients with Acute Respiratory Failure. Anesthesiology, 1991, 74, 15-23.                                                    | 1.3  | 570       |
| 13 | Standards for definitions and use of outcome measures for clinical effectiveness research in perioperative medicine. European Journal of Anaesthesiology, 2015, 32, 88-105.                          | 0.7  | 559       |
| 14 | High versus low positive end-expiratory pressure during general anaesthesia for open abdominal surgery (PROVHILO trial): a multicentre randomised controlled trial. Lancet, The, 2014, 384, 495-503. | 6.3  | 544       |
| 15 | Hypothermia versus Normothermia after Out-of-Hospital Cardiac Arrest. New England Journal of Medicine, 2021, 384, 2283-2294.                                                                         | 13.9 | 511       |
| 16 | Recruitment and Derecruitment During Acute Respiratory Failure. American Journal of Respiratory and Critical Care Medicine, 2001, 164, 122-130.                                                      | 2.5  | 501       |
| 17 | The Effects of Body Mass on Lung Volumes, Respiratory Mechanics, and Gas Exchange During General Anesthesia. Anesthesia and Analgesia, 1998, 87, 654-660.                                            | 1.1  | 499       |
| 18 | Assessment of cardiac preload and left ventricular function under increasing levels of positive end-expiratory pressure. Intensive Care Medicine, 2004, 30, 119-126.                                 | 3.9  | 479       |

| #  | ARTICLE                                                                                                                                                                                                                                                              | IF  | CITATIONS |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | Effects of the Prone Position on Respiratory Mechanics and Gas Exchange during Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 1998, 157, 387-393.                                                                                    | 2.5 | 449       |
| 20 | The Application of Esophageal Pressure Measurement in Patients with Respiratory Failure. American Journal of Respiratory and Critical Care Medicine, 2014, 189, 520-531.                                                                                             | 2.5 | 443       |
| 21 | Protective Mechanical Ventilation during General Anesthesia for Open Abdominal Surgery Improves Postoperative Pulmonary Function. Anesthesiology, 2013, 118, 1307-1321.                                                                                              | 1.3 | 416       |
| 22 | Association between driving pressure and development of postoperative pulmonary complications in patients undergoing mechanical ventilation for general anaesthesia: a meta-analysis of individual patient data. Lancet Respiratory Medicine, the, 2016, 4, 272-280. | 5.2 | 404       |
| 23 | Optoelectronic Plethysmography in Intensive Care Patients. American Journal of Respiratory and Critical Care Medicine, 2000, 161, 1546-1552.                                                                                                                         | 2.5 | 397       |
| 24 | Positive End-expiratory Pressure Improves Respiratory Function in Obese but not in Normal Subjects during Anesthesia and Paralysis. Anesthesiology, 1999, 91, 1221-1221.                                                                                             | 1.3 | 382       |
| 25 | What is an intensive care unit? A report of the task force of the World Federation of Societies of Intensive and Critical Care Medicine. Journal of Critical Care, 2017, 37, 270-276.                                                                                | 1.0 | 370       |
| 26 | Total Respiratory System, Lung, and Chest Wall Mechanics in Sedated-Paralyzed Postoperative Morbidly Obese Patients. Chest, 1996, 109, 144-151.                                                                                                                      | 0.4 | 361       |
| 27 | Sigh in Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 1999, 159, 872-880.                                                                                                                                         | 2.5 | 357       |
| 28 | Mechanical power of ventilation is associated with mortality in critically ill patients: an analysis of patients in two observational cohorts. Intensive Care Medicine, 2018, 44, 1914-1922.                                                                         | 3.9 | 323       |
| 29 | Intraoperative Protective Mechanical Ventilation for Prevention of Postoperative Pulmonary Complications. Anesthesiology, 2015, 123, 692-713.                                                                                                                        | 1.3 | 319       |
| 30 | New treatment of acute hypoxemic respiratory failure: Noninvasive pressure support ventilation delivered by helmet. A pilot controlled trial. Critical Care Medicine, 2002, 30, 602-608.                                                                             | 0.4 | 314       |
| 31 | Meta-analysis: Ventilation Strategies and Outcomes of the Acute Respiratory Distress Syndrome and Acute Lung Injury. Annals of Internal Medicine, 2009, 151, 566.                                                                                                    | 2.0 | 314       |
| 32 | Tracheostomy in the COVID-19 era: global and multidisciplinary guidance. Lancet Respiratory Medicine, the, 2020, 8, 717-725.                                                                                                                                         | 5.2 | 312       |
| 33 | Prospective External Validation of a Predictive Score for Postoperative Pulmonary Complications. Anesthesiology, 2014, 121, 219-231.                                                                                                                                 | 1.3 | 311       |
| 34 | Clinical review: Positive end-expiratory pressure and cardiac output. Critical Care, 2005, 9, 607.                                                                                                                                                                   | 2.5 | 308       |
| 35 | Prevention of Atelectasis in Morbidly Obese Patients during General Anesthesia and Paralysis. Anesthesiology, 2009, 111, 979-987.                                                                                                                                    | 1.3 | 305       |
| 36 | Protective versus Conventional Ventilation for Surgery. Anesthesiology, 2015, 123, 66-78.                                                                                                                                                                            | 1.3 | 291       |

| #  | ARTICLE                                                                                                                                                                                                                                               | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Obesity in the critically ill: a narrative review. <i>Intensive Care Medicine</i> , 2019, 45, 757-769.                                                                                                                                                | 3.9 | 283       |
| 38 | An Official ATS/ERS/ESICM/SCCM/SRLF Statement: Prevention and Management of Acute Renal Failure in the ICU Patient. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 181, 1128-1155.                                         | 2.5 | 267       |
| 39 | Guidelines for pre-operative cardiac risk assessment and perioperative cardiac management in non-cardiac surgery. <i>European Journal of Anaesthesiology</i> , 2010, 27, 92-137.                                                                      | 0.7 | 263       |
| 40 | Characteristics and Outcomes of Ventilated Patients According to Time to Liberation from Mechanical Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 184, 430-437.                                              | 2.5 | 253       |
| 41 | Intubation Practices and Adverse Peri-intubation Events in Critically Ill Patients From 29 Countries. <i>JAMA - Journal of the American Medical Association</i> , 2021, 325, 1164.                                                                    | 3.8 | 232       |
| 42 | The Effects of Body Mass on Lung Volumes, Respiratory Mechanics, and Gas Exchange During General Anesthesia. <i>Anesthesia and Analgesia</i> , 1998, 87, 654-660.                                                                                     | 1.1 | 226       |
| 43 | Incidence, risk factors and outcome of barotrauma in mechanically ventilated patients. <i>Intensive Care Medicine</i> , 2004, 30, 612-619.                                                                                                            | 3.9 | 219       |
| 44 | Effect of Intraoperative High Positive End-Expiratory Pressure (PEEP) With Recruitment Maneuvers vs Low PEEP on Postoperative Pulmonary Complications in Obese Patients. <i>JAMA - Journal of the American Medical Association</i> , 2019, 321, 2292. | 3.8 | 216       |
| 45 | Lung-Protective Ventilation With Low Tidal Volumes and the Occurrence of Pulmonary Complications in Patients Without Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2015, 43, 2155-2163.                                        | 0.4 | 210       |
| 46 | Noninvasive Positive Pressure Ventilation Using a Helmet in Patients with Acute Exacerbation of Chronic Obstructive Pulmonary Disease. <i>Anesthesiology</i> , 2004, 100, 16-24.                                                                      | 1.3 | 208       |
| 47 | Prevalence and outcome of gastrointestinal bleeding and use of acid suppressants in acutely ill adult intensive care patients. <i>Intensive Care Medicine</i> , 2015, 41, 833-845.                                                                    | 3.9 | 208       |
| 48 | Incidence of mortality and morbidity related to postoperative lung injury in patients who have undergone abdominal or thoracic surgery: a systematic review and meta-analysis. <i>Lancet Respiratory Medicine</i> , 2014, 2, 1007-1015.               | 5.2 | 203       |
| 49 | Bloodstream infections in critically ill patients with COVID-19. <i>European Journal of Clinical Investigation</i> , 2020, 50, e13319.                                                                                                                | 1.7 | 203       |
| 50 | Lung-protective ventilation for the surgical patient: international expert panel-based consensus recommendations. <i>British Journal of Anaesthesia</i> , 2019, 123, 898-913.                                                                         | 1.5 | 201       |
| 51 | Multiple organ dysfunction in SARS-CoV-2: MODS-CoV-2. <i>Expert Review of Respiratory Medicine</i> , 2020, 14, 865-868.                                                                                                                               | 1.0 | 196       |
| 52 | Effect of a Low vs Intermediate Tidal Volume Strategy on Ventilator-Free Days in Intensive Care Unit Patients Without ARDS. <i>JAMA - Journal of the American Medical Association</i> , 2018, 320, 1872.                                              | 3.8 | 195       |
| 53 | Individual Positive End-expiratory Pressure Settings Optimize Intraoperative Mechanical Ventilation and Reduce Postoperative Atelectasis. <i>Anesthesiology</i> , 2018, 129, 1070-1081.                                                               | 1.3 | 191       |
| 54 | 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       |

| #  | ARTICLE                                                                                                                                                                                                                                                                                                 | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | The Prone Positioning During General Anesthesia Minimally Affects Respiratory Mechanics While Improving Functional Residual Capacity and Increasing Oxygen Tension. <i>Anesthesia and Analgesia</i> , 1995, 80, 955-960.                                                                                | 1.1 | 178       |
| 56 | Management and outcome of mechanically ventilated neurologic patients*. <i>Critical Care Medicine</i> , 2011, 39, 1482-1492.                                                                                                                                                                            | 0.4 | 176       |
| 57 | Associations between ventilator settings during extracorporeal membrane oxygenation for refractory hypoxemia and outcome in patients with acute respiratory distress syndrome: a pooled individual patient data analysis. <i>Intensive Care Medicine</i> , 2016, 42, 1672-1684.                         | 3.9 | 176       |
| 58 | Noninvasive Ventilation and Alveolar Recruitment Maneuver Improve Respiratory Function during and after Intubation of Morbidly Obese Patients. <i>Anesthesiology</i> , 2011, 114, 1354-1363.                                                                                                            | 1.3 | 173       |
| 59 | Prone Positioning Improves Pulmonary Function in Obese Patients During General Anesthesia. <i>Anesthesia and Analgesia</i> , 1996, 83, 578-583.                                                                                                                                                         | 1.1 | 172       |
| 60 | Perioperative cardiovascular monitoring of high-risk patients: a consensus of 12. <i>Critical Care</i> , 2015, 19, 224.                                                                                                                                                                                 | 2.5 | 167       |
| 61 | Effects of Volatile Anesthetics on Mortality and Postoperative Pulmonary and Other Complications in Patients Undergoing Surgery. <i>Anesthesiology</i> , 2016, 124, 1230-1245.                                                                                                                          | 1.3 | 156       |
| 62 | Helmet CPAP vs. oxygen therapy in severe hypoxemic respiratory failure due to pneumonia. <i>Intensive Care Medicine</i> , 2014, 40, 942-949.                                                                                                                                                            | 3.9 | 152       |
| 63 | Development and validation of a score to predict postoperative respiratory failure in a multicentre European cohort. <i>European Journal of Anaesthesiology</i> , 2015, 32, 458-470.                                                                                                                    | 0.7 | 152       |
| 64 | Compartmental Analysis of Breathing in the Supine and Prone Positions by Optoelectronic Plethysmography. <i>Annals of Biomedical Engineering</i> , 2001, 29, 60-70.                                                                                                                                     | 1.3 | 150       |
| 65 | Percutaneous and surgical tracheostomy in critically ill adult patients: a meta-analysis. <i>Critical Care</i> , 2014, 18, 544.                                                                                                                                                                         | 2.5 | 146       |
| 66 | Hemodynamics and Vasopressor Support During Targeted Temperature Management at 33°C Versus 36°C After Out-of-Hospital Cardiac Arrest. <i>Critical Care Medicine</i> , 2015, 43, 318-327.                                                                                                                | 0.4 | 144       |
| 67 | Target temperature management after out-of-hospital cardiac arrest—a randomized, parallel-group, assessor-blinded clinical trial—rationale and design. <i>American Heart Journal</i> , 2012, 163, 541-548.                                                                                              | 1.2 | 141       |
| 68 | Mechanical ventilation in patients with acute brain injury: recommendations of the European Society of Intensive Care Medicine consensus. <i>Intensive Care Medicine</i> , 2020, 46, 2397-2410.                                                                                                         | 3.9 | 140       |
| 69 | Intraoperative Recruitment Maneuver Reverses Detrimental Pneumoperitoneum-induced Respiratory Effects in Healthy Weight and Obese Patients Undergoing Laparoscopy. <i>Anesthesiology</i> , 2010, 113, 1310-1319.                                                                                        | 1.3 | 140       |
| 70 | Helmet Continuous Positive Airway Pressure vs Oxygen Therapy To Improve Oxygenation in Community-Acquired Pneumonia. <i>Chest</i> , 2010, 138, 114-120.                                                                                                                                                 | 0.4 | 137       |
| 71 | Epidemiological characteristics, practice of ventilation, and clinical outcome in patients at risk of acute respiratory distress syndrome in intensive care units from 16 countries (PRoVENT): an international, multicentre, prospective study. <i>Lancet Respiratory Medicine</i> , 2016, 4, 882-893. | 5.2 | 137       |
| 72 | Variable Tidal Volumes Improve Lung Protective Ventilation Strategies in Experimental Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 179, 684-693.                                                                                                              | 2.5 | 136       |

| #  | ARTICLE                                                                                                                                                                                                                                   | IF  | CITATIONS |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 73 | Distinct phenotypes require distinct respiratory management strategies in severe COVID-19. <i>Respiratory Physiology and Neurobiology</i> , 2020, 279, 103455.                                                                            | 0.7 | 129       |
| 74 | Perioperative management of obese patients. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2010, 24, 211-225.                                                                                                | 1.7 | 125       |
| 75 | Expert consensus statements for the management of COVID-19-related acute respiratory failure using a Delphi method. <i>Critical Care</i> , 2021, 25, 106.                                                                                 | 2.5 | 121       |
| 76 | Sigh in Supine and Prone Position during Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003, 167, 521-527.                                                                     | 2.5 | 120       |
| 77 | Clinical review: Respiratory monitoring in the ICU - a consensus of 16. <i>Critical Care</i> , 2012, 16, 219.                                                                                                                             | 2.5 | 119       |
| 78 | Anti-inflammatory properties of anesthetic agents. <i>Critical Care</i> , 2017, 21, 67.                                                                                                                                                   | 2.5 | 119       |
| 79 | Noninvasive positive pressure ventilation delivered by helmet vs. standard face mask. <i>Intensive Care Medicine</i> , 2003, 29, 1671-1679.                                                                                               | 3.9 | 118       |
| 80 | Tracheostomy procedures in the intensive care unit: an international survey. <i>Critical Care</i> , 2015, 19, 291.                                                                                                                        | 2.5 | 117       |
| 81 | Protective mechanical ventilation in the non-injured lung: review and meta-analysis. <i>Critical Care</i> , 2014, 18, 211.                                                                                                                | 2.5 | 116       |
| 82 | Association between tidal volume size, duration of ventilation, and sedation needs in patients without acute respiratory distress syndrome: an individual patient data meta-analysis. <i>Intensive Care Medicine</i> , 2014, 40, 950-957. | 3.9 | 115       |
| 83 | Pathogenesis of Multiple Organ Injury in COVID-19 and Potential Therapeutic Strategies. <i>Frontiers in Physiology</i> , 2021, 12, 593223.                                                                                                | 1.3 | 113       |
| 84 | Effects of mechanical ventilation on the extracellular matrix. <i>Intensive Care Medicine</i> , 2008, 34, 631-639.                                                                                                                        | 3.9 | 100       |
| 85 | Noisy pressure support ventilation: A pilot study on a new assisted ventilation mode in experimental lung injury*. <i>Critical Care Medicine</i> , 2008, 36, 818-827.                                                                     | 0.4 | 99        |
| 86 | Resuscitation from hemorrhagic shock: Experimental model comparing normal saline, dextran, and hypertonic saline solutions. <i>Critical Care Medicine</i> , 2003, 31, 1915-1922.                                                          | 0.4 | 98        |
| 87 | Immunomodulation after ischemic stroke: potential mechanisms and implications for therapy. <i>Critical Care</i> , 2016, 20, 391.                                                                                                          | 2.5 | 97        |
| 88 | Personalized mechanical ventilation in acute respiratory distress syndrome. <i>Critical Care</i> , 2021, 25, 250.                                                                                                                         | 2.5 | 97        |
| 89 | Recruitment maneuver in pulmonary and extrapulmonary experimental acute lung injury. <i>Critical Care Medicine</i> , 2008, 36, 1900-1908.                                                                                                 | 0.4 | 96        |
| 90 | Triage decisions for ICU admission: Report from the Task Force of the World Federation of Societies of Intensive and Critical Care Medicine. <i>Journal of Critical Care</i> , 2016, 36, 301-305.                                         | 1.0 | 96        |

| #   | ARTICLE                                                                                                                                                                                                                                                                                 | IF  | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 91  | 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.                                                                                                          | 1.0 | 93        |
| 92  | End-of-life care in the intensive care unit: Report from the Task Force of World Federation of Societies of Intensive and Critical Care Medicine. <i>Journal of Critical Care</i> , 2016, 34, 125-130.                                                                                  | 1.0 | 92        |
| 93  | Effects of heat and moisture exchangers on minute ventilation, ventilatory drive, and work of breathing during pressure-support ventilation in acute respiratory failure. <i>Critical Care Medicine</i> , 1996, 24, 1184-1188.                                                          | 0.4 | 92        |
| 94  | The LAS VEGAS risk score for prediction of postoperative pulmonary complications. <i>European Journal of Anaesthesiology</i> , 2018, 35, 691-701.                                                                                                                                       | 0.7 | 90        |
| 95  | Bench-to-bedside review: the role of glycosaminoglycans in respiratory disease. <i>Critical Care</i> , 2006, 10, 237.                                                                                                                                                                   | 2.5 | 89        |
| 96  | Comparative Effects of Volutrauma and Atelectrauma on Lung Inflammation in Experimental Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2016, 44, e854-e865.                                                                                                       | 0.4 | 87        |
| 97  | Return to Work and Participation in Society After Out-of-Hospital Cardiac Arrest. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2018, 11, e003566.                                                                                                                          | 0.9 | 87        |
| 98  | Respiratory and hemodynamic changes during decremental open lung positive end-expiratory pressure titration in patients with acute respiratory distress syndrome. <i>Critical Care</i> , 2009, 13, R59.                                                                                 | 2.5 | 86        |
| 99  | Effect of different inspiratory rise time and cycling off criteria during pressure support ventilation in patients recovering from acute lung injury. <i>Critical Care Medicine</i> , 2003, 31, 2604-2610.                                                                              | 0.4 | 85        |
| 100 | Clinical characteristics, management and in-hospital mortality of patients with coronavirus disease 2019 in Genoa, Italy. <i>Clinical Microbiology and Infection</i> , 2020, 26, 1537-1544.                                                                                             | 2.8 | 84        |
| 101 | The Effects of Positive End-expiratory Pressure on Respiratory Resistance in Patients with the Adult Respiratory Distress Syndrome and in Normal Anesthetized Subjects. <i>The American Review of Respiratory Disease</i> , 1991, 144, 101-107.                                         | 2.9 | 82        |
| 102 | Ability of dynamic airway pressure curve profile and elastance for positive end-expiratory pressure titration. <i>Intensive Care Medicine</i> , 2008, 34, 2291-9.                                                                                                                       | 3.9 | 82        |
| 103 | Anxiety and depression among out-of-hospital cardiac arrest survivors. <i>Resuscitation</i> , 2015, 97, 68-75.                                                                                                                                                                          | 1.3 | 81        |
| 104 | A multi-faceted strategy to reduce ventilation-associated mortality in brain-injured patients. The BI-VILI project: a nationwide quality improvement project. <i>Intensive Care Medicine</i> , 2017, 43, 957-970.                                                                       | 3.9 | 81        |
| 105 | Noninvasive respiratory support in the perioperative period. <i>Current Opinion in Anaesthesiology</i> , 2010, 23, 233-238.                                                                                                                                                             | 0.9 | 80        |
| 106 | The association of targeted temperature management at 33 and 36°C with outcome in patients with moderate shock on admission after out-of-hospital cardiac arrest: a post hoc analysis of the Target Temperature Management trial. <i>Intensive Care Medicine</i> , 2014, 40, 1210-1219. | 3.9 | 80        |
| 107 | Pros and cons of corticosteroid therapy for COVID-19 patients. <i>Respiratory Physiology and Neurobiology</i> , 2020, 280, 103492.                                                                                                                                                      | 0.7 | 80        |
| 108 | Ventilation in patients with intra-abdominal hypertension: what every critical care physician needs to know. <i>Annals of Intensive Care</i> , 2019, 9, 52.                                                                                                                             | 2.2 | 78        |

| #   | ARTICLE                                                                                                                                                                                                                                                        | IF  | CITATIONS |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 109 | Prone Positioning Improves Pulmonary Function in Obese Patients During General Anesthesia. <i>Anesthesia and Analgesia</i> , 1996, 83, 578-583.                                                                                                                | 1.1 | 77        |
| 110 | End-Inspiratory Airway Occlusion. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997, 156, 1210-1216.                                                                                                                                    | 2.5 | 77        |
| 111 | Brain-heart interaction after acute ischemic stroke. <i>Critical Care</i> , 2020, 24, 163.                                                                                                                                                                     | 2.5 | 77        |
| 112 | The polycompartment syndrome: a concise state-of-the-art review. <i>Anaesthesiology Intensive Therapy</i> , 2014, 46, 433-450.                                                                                                                                 | 0.4 | 77        |
| 113 | Power to mechanical power to minimize ventilator-induced lung injury?. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 38.                                                                                                                              | 0.9 | 75        |
| 114 | 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.                                          | 1.4 | 74        |
| 115 | Mesenchymal Stem Cell Trials for Pulmonary Diseases. <i>Journal of Cellular Biochemistry</i> , 2014, 115, 1023-1032.                                                                                                                                           | 1.2 | 73        |
| 116 | Anxiety among front-line health-care workers supporting patients with COVID-19: A global survey. <i>General Hospital Psychiatry</i> , 2021, 68, 90-96.                                                                                                         | 1.2 | 73        |
| 117 | Ultrasound-guided percutaneous dilational tracheostomy versus bronchoscopy-guided percutaneous dilational tracheostomy in critically ill patients (TRACHUS): a randomized noninferiority controlled trial. <i>Intensive Care Medicine</i> , 2016, 42, 342-351. | 3.9 | 72        |
| 118 | Optic nerve sheath diameter: present and future perspectives for neurologists and critical care physicians. <i>Neurological Sciences</i> , 2019, 40, 2447-2457.                                                                                                | 0.9 | 72        |
| 119 | Targeted hypothermia versus targeted Normothermia after out-of-hospital cardiac arrest (TTM2): A randomized clinical trial-Rationale and design. <i>American Heart Journal</i> , 2019, 217, 23-31.                                                             | 1.2 | 72        |
| 120 | Pressure support improves oxygenation and lung protection compared to pressure-controlled ventilation and is further improved by random variation of pressure support*. <i>Critical Care Medicine</i> , 2011, 39, 746-755.                                     | 0.4 | 71        |
| 121 | Laboratory Biomarkers for Diagnosis and Prognosis in COVID-19. <i>Frontiers in Immunology</i> , 2022, 13, 857573.                                                                                                                                              | 2.2 | 70        |
| 122 | Effect of different cycling-off criteria and positive end-expiratory pressure during pressure support ventilation in patients with chronic obstructive pulmonary disease*. <i>Critical Care Medicine</i> , 2007, 35, 2547-2552.                                | 0.4 | 69        |
| 123 | Methylprednisolone improves lung mechanics and reduces the inflammatory response in pulmonary but not in extrapulmonary mild acute lung injury in mice*. <i>Critical Care Medicine</i> , 2008, 36, 2621-2628.                                                  | 0.4 | 69        |
| 124 | Effects of Different Levels of Pressure Support Variability in Experimental Lung Injury. <i>Anesthesiology</i> , 2009, 110, 342-350.                                                                                                                           | 1.3 | 69        |
| 125 | Management of ventilator-associated pneumonia: epidemiology, diagnosis and antimicrobial therapy. <i>Expert Review of Anti-Infective Therapy</i> , 2012, 10, 585-596.                                                                                          | 2.0 | 68        |
| 126 | Tracheal intubation in critically ill patients: a comprehensive systematic review of randomized trials. <i>Critical Care</i> , 2018, 22, 6.                                                                                                                    | 2.5 | 68        |



| #   | ARTICLE                                                                                                                                                                                                                                       | IF  | CITATIONS |
|-----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 127 | Close down the lungs and keep them resting to minimize ventilator-induced lung injury. <i>Critical Care</i> , 2018, 22, 72.                                                                                                                   | 2.5 | 67        |
| 128 | The role of abdominal compliance, the neglected parameter in critically ill patients – a consensus review of 16. Part 2: measurement techniques and management recommendations. <i>Anaesthesiology Intensive Therapy</i> , 2014, 46, 406-432. | 0.4 | 66        |
| 129 | Accuracy of Critical Care Pain Observation Tool and Behavioral Pain Scale to assess pain in critically ill conscious and unconscious patients: prospective, observational study. <i>Journal of Intensive Care</i> , 2016, 4, 68.              | 1.3 | 66        |
| 130 | Acute exacerbation of idiopathic pulmonary fibrosis: lessons learned from acute respiratory distress syndrome?. <i>Critical Care</i> , 2018, 22, 80.                                                                                          | 2.5 | 66        |
| 131 | Pulmonary and extrapulmonary acute respiratory distress syndrome: myth or reality?. <i>Current Opinion in Critical Care</i> , 2008, 14, 50-55.                                                                                                | 1.6 | 65        |
| 132 | Combined use of serum (1,3)- $\beta$ -d-glucan and procalcitonin for the early differential diagnosis between candidaemia and bacteraemia in intensive care units. <i>Critical Care</i> , 2017, 21, 176.                                      | 2.5 | 65        |
| 133 | Proteoglycan fragmentation and respiratory mechanics in mechanically ventilated healthy rats. <i>Journal of Applied Physiology</i> , 2007, 103, 747-756.                                                                                      | 1.2 | 64        |
| 134 | Postoperative complications of patients undergoing cardiac surgery. <i>Current Opinion in Critical Care</i> , 2016, 22, 386-392.                                                                                                              | 1.6 | 64        |
| 135 | Noninvasive respiratory support and patient self-inflicted lung injury in COVID-19: a narrative review. <i>British Journal of Anaesthesia</i> , 2021, 127, 353-364.                                                                           | 1.5 | 64        |
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