

# Carmen Valente Barbas

## List of Publications by Year in descending order

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110  
papers

10,520  
citations

109137

35  
h-index

31759

101  
g-index

128  
all docs

128  
docs citations

128  
times ranked

5593  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of a Protective-Ventilation Strategy on Mortality in the Acute Respiratory Distress Syndrome. <i>New England Journal of Medicine</i> , 1998, 338, 347-354.	13.9	3,866
2	Reversibility of Lung Collapse and Hypoxemia in Early Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 174, 268-278.	2.5	1,558
3	Beneficial effects of the "open lung approach" with low distending pressures in acute respiratory distress syndrome. A prospective randomized study on mechanical ventilation.. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1995, 152, 1835-1846.	2.5	584
4	Imbalances in Regional Lung Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 169, 791-800.	2.5	555
5	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. <i>Lancet Respiratory Medicine</i> ,the, 2016, 4, 272-280.	5.2	404
6	Protective <i>i</i> versus <i>i</i> Conventional Ventilation for Surgery. <i>Anesthesiology</i> , 2015, 123, 66-78.	1.3	291
7	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
8	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> ,the, 2014, 2, 1007-1015.	5.2	203
9	Training for Lung Ultrasound Score Measurement in Critically Ill Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 398-401.	2.5	138
10	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> ,the, 2016, 4, 882-893.	5.2	137
11	Temporal Hemodynamic Effects of Permissive Hypercapnia Associated with Ideal PEEP in ARDS. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1997, 156, 1458-1466.	2.5	132
12	The impact of daily evaluation and spontaneous breathing test on the duration of pediatric mechanical ventilation: A randomized controlled trial*. <i>Critical Care Medicine</i> , 2011, 39, 2526-2533.	0.4	117
13	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
14	Non-invasive ventilatory support and high-flow nasal oxygen as first-line treatment of acute hypoxemic respiratory failure and ARDS. <i>Intensive Care Medicine</i> , 2021, 47, 851-866.	3.9	115
15	Mask mechanics and leak dynamics during noninvasive pressure support ventilation: a bench study. <i>Intensive Care Medicine</i> , 2001, 27, 1887-1891.	3.9	103
16	Volume-Assured Pressure Support Ventilation (VAPSV). <i>Chest</i> , 1992, 102, 1225-1234.	0.4	101
17	Impact of Distinct Definitions of Acute Lung Injury on Its Incidence and Outcomes in Brazilian ICUs. <i>Critical Care Medicine</i> , 2014, 42, 574-582.	0.4	98
18	Noninvasive ventilation immediately after extubation improves weaning outcome after acute respiratory failure: a randomized controlled trial. <i>Critical Care</i> , 2013, 17, R39.	2.5	97

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19	The Relationship between Pleural Fluid Findings and the Development of Pleural Thickening in Patients with Pleural Tuberculosis. <i>Chest</i> , 1991, 100, 1264-1267.	0.4	94
20	How large is the lung recruitability in early acute respiratory distress syndrome: a prospective case series of patients monitored by computed tomography. <i>Critical Care</i> , 2012, 16, R4.	2.5	92
21	Mechanical ventilation in acute respiratory failure: recruitment and high positive end-expiratory pressure are necessary. <i>Current Opinion in Critical Care</i> , 2005, 11, 18-28.	1.6	91
22	A new integrative weaning index of discontinuation from mechanical ventilation. <i>Critical Care</i> , 2009, 13, R152.	2.5	86
23	Human Pulmonary <i>Dirofilariasis</i> . <i>Chest</i> , 1997, 112, 729-733.	0.4	83
24	Acute respiratory distress syndrome due to vivax malaria: case report and literature review. <i>Brazilian Journal of Infectious Diseases</i> , 2005, 9, 425-30.	0.3	73
25	Performance of noninvasive ventilation in acute respiratory failure in critically ill patients: a prospective, observational, cohort study. <i>BMC Pulmonary Medicine</i> , 2015, 15, 144.	0.8	62
26	Brazilian recommendations of mechanical ventilation 2013. Part I. <i>Revista Brasileira De Terapia Intensiva</i> , 2014, 26, 89-121.	0.1	60
27	Brazilian recommendations of mechanical ventilation 2013. Part 2. <i>Revista Brasileira De Terapia Intensiva</i> , 2014, 26, 215-39.	0.1	59
28	Lung Ultrasound in Emergency and Critically Ill Patients. <i>Anesthesiology</i> , 2020, 132, 899-907.	1.3	57
29	Lung recruitment maneuvers in acute respiratory distress syndrome and facilitating resolution. <i>Critical Care Medicine</i> , 2003, 31, S265-S271.	0.4	55
30	Acute Remodeling of Parenchyma in Pulmonary and Extrapulmonary ARDS. An Autopsy Study of Collagen-Elastic System Fibers. <i>Pathology Research and Practice</i> , 2002, 198, 355-361.	1.0	48
31	Parâmetros preditivos para o desmame da ventilação mecânica. <i>Jornal Brasileiro De Pneumologia</i> , 2011, 37, 669-679.	0.4	44
32	Ventilator associated pneumonia: comparison between quantitative and qualitative cultures of tracheal aspirates. <i>Critical Care</i> , 2004, 8, R422.	2.5	43
33	Concurrent Churg-Strauss Syndrome and Temporal Arteritis in a Young Patient with Pulmonary Nodules. <i>The American Review of Respiratory Disease</i> , 1989, 139, 1539-1542.	2.9	41
34	Pathological and ultrastructural analysis of surgical lung biopsies in patients with swine-origin influenza type A/H1N1 and acute respiratory failure. <i>Clinics</i> , 2010, 65, 1229-1237.	0.6	38
35	Evaluation of maximal inspiratory pressure, tracheal airway occlusion pressure, and its ratio in the weaning outcome. <i>Journal of Critical Care</i> , 2009, 24, 441-446.	1.0	37
36	Interaction Between Intra-Abdominal Pressure and Positive-End Expiratory Pressure. <i>Clinics</i> , 2009, 64, 105-112.	0.6	32

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37	Lung recruitment maneuvers in acute respiratory distress syndrome. <i>Respiratory Care Clinics of North America</i> , 2003, 9, 401-418.	0.5	31
38	Wegener's granulomatosis: experience from a Brazilian tertiary center. <i>Clinical Rheumatology</i> , 2010, 29, 855-860.	1.0	30
39	Congenital bronchobiliary fistula: first case in an adult.. <i>Thorax</i> , 1988, 43, 792-793.	2.7	26
40	What is the future of acute respiratory distress syndrome after the Berlin definition?. <i>Current Opinion in Critical Care</i> , 2014, 20, 10-16.	1.6	26
41	Smart Care, versus respiratory physiotherapy-driven manual weaning for critically ill adult patients: a randomized controlled trial. <i>Critical Care</i> , 2015, 19, 246.	2.5	25
42	Automatic versus manual pressure support reduction in the weaning of post-operative patients: a randomized controlled trial. <i>Critical Care</i> , 2009, 13, R6.	2.5	22
43	Potentially modifiable respiratory variables contributing to outcome in ICU patients without ARDS: a secondary analysis of PROVENT. <i>Annals of Intensive Care</i> , 2018, 8, 39.	2.2	22
44	High levels of B-type natriuretic peptide predict weaning failure from mechanical ventilation in adult patients after cardiac surgery. <i>Clinics</i> , 2013, 68, 33-38.	0.6	22
45	Goal-Oriented Respiratory Management for Critically Ill Patients with Acute Respiratory Distress Syndrome. <i>Critical Care Research and Practice</i> , 2012, 2012, 1-13.	0.4	20
46	Pulmonary capillary pressure in pulmonary hypertension. <i>Critical Care</i> , 2005, 9, R132.	2.5	18
47	Obstructive respiratory failure in cicatricial pemphigoid.. <i>Thorax</i> , 1989, 44, 601-602.	2.7	17
48	Interaction between peri-operative blood transfusion, tidal volume, airway pressure and postoperative ARDS: an individual patient data meta-analysis. <i>Annals of Translational Medicine</i> , 2018, 6, 23-23.	0.7	17
49	Impacto de biópsia pulmonar a céu aberto na insuficiência respiratória aguda refratária. <i>Jornal Brasileiro De Pneumologia</i> , 2006, 32, 418-423.	0.4	15
50	Brazilian recommendations of mechanical ventilation 2013. Part I. <i>Jornal Brasileiro De Pneumologia</i> , 2014, 40, 327-363.	0.4	14
51	Semiquantitative assessment of surgical lung biopsy: predictive value and impact on survival of patients with diffuse pulmonary infiltrate. <i>Clinics</i> , 2007, 62, 23-30.	0.6	12
52	Brazilian recommendations of mechanical ventilation 2013. Part 2. <i>Jornal Brasileiro De Pneumologia</i> , 2014, 40, 458-486.	0.4	12
53	Clinical characteristics and outcomes of COVID-19 patients admitted to the intensive care unit during the first year of the pandemic in Brazil: a single center retrospective cohort study. <i>Einstein (Sao Paulo)</i> , 2021, 27, e20210011.	1.4	11
54	Síndrome pulmonar e cardiovascular por hantavírus. <i>Jornal De Pneumologia</i> , 2003, 29, 309-323.	0.1	10

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55	Correlation between surgical lung biopsy and autopsy findings and clinical data in patients with diffuse pulmonary infiltrates and acute respiratory failure. <i>Clinics</i> , 2006, 61, 425-432.	0.6	10
56	Low mechanical ventilation times and reintubation rates associated with a specific weaning protocol in an intensive care unit setting: a retrospective study. <i>Clinics</i> , 2012, 67, 995-1000.	0.6	10
57	External validation confirms the legitimacy of a new clinical classification of ARDS for predicting outcome. <i>Intensive Care Medicine</i> , 2015, 41, 2004-2005.	3.9	10
58	Behçet's disease: a rare case of simultaneous pulmonary and cerebral involvement. <i>American Journal of Medicine</i> , 1988, 85, 576-578.	0.6	9
59	Primary Malignant Fibrous Histiocytoma of the Lung. <i>Acta Cytologica</i> , 1997, 41, 919-923.	0.7	9
60	Trombose em artérias pulmonares pequenas e óbitos em granulomatose de Wegener: um estudo com microscopia confocal por varredura a laser. <i>Jornal Brasileiro De Pneumologia</i> , 2010, 36, 724-730.	0.4	8
61	Intensive support recommendations for critically-ill patients with suspected or confirmed COVID-19 infection. <i>Einstein (Sao Paulo, Brazil)</i> , 2020, 18, eAE5793.	0.3	8
62	Recruitment maneuvers and positive end-expiratory pressure/tidal ventilation titration in acute lung injury/acute respiratory distress syndrome: translating experimental results to clinical practice. <i>Critical Care</i> , 2005, 9, 424.	2.5	7
63	Treatment of ANCA-Associated Vasculitis. <i>JAMA - Journal of the American Medical Association</i> , 2007, 298, 2739.	3.8	7
64	Understanding and avoiding ventilator-induced lung injury: Lessons from an insightful experimental study*. <i>Critical Care Medicine</i> , 2010, 38, 2418-2419.	0.4	7
65	ICU Staffing: The South American Perspective. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010, 182, 441-442.	2.5	7
66	Fatal acute respiratory distress syndrome in a patient with paracoccidioidomycosis: first case report. <i>Medical Mycology</i> , 2010, 48, 542-545.	0.3	7
67	Mechanical Ventilation and Clinical Outcomes in Patients with Acute Myocardial Infarction: A Retrospective Observational Study. <i>PLoS ONE</i> , 2016, 11, e0151302.	1.1	7
68	The Integrative Weaning Index in Elderly ICU Subjects. <i>Respiratory Care</i> , 2017, 62, 333-339.	0.8	7
69	Lung Recruitment and Positive End-Expiratory Pressure Titration in Patients With Acute Respiratory Distress Syndrome. <i>JAMA - Journal of the American Medical Association</i> , 2018, 319, 933.	3.8	7
70	Should we titrate mechanical ventilation based on driving pressure? "yes. <i>Annals of Translational Medicine</i> , 2018, 6, 393-393.	0.7	7
71	Síndromes hemorrágicas pulmonares. <i>Jornal Brasileiro De Pneumologia</i> , 2005, 31, s36-s43.	0.4	6
72	Atualização do tratamento das vasculites associadas a anticorpo anticitoplasma de neutrófilos. <i>Jornal Brasileiro De Pneumologia</i> , 2011, 37, 809-816.	0.4	6

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73	Lesão pulmonar aguda e síndrome do desconforto respiratório agudo: dificuldades diagnósticas. <i>Jornal Brasileiro De Pneumologia</i> , 2007, 33, xxv-xxvi.	0.4	6
74	Impact of open lung biopsy on refractory acute respiratory failure. <i>Jornal Brasileiro De Pneumologia</i> , 2006, 32, 418-23.	0.4	6
75	The Effects of Low and High Tidal Volume and Pentoxifylline on Intestinal Blood Flow and Leukocyte-Endothelial Interactions in Mechanically Ventilated Rats. <i>Respiratory Care</i> , 2011, 56, 1942-1949.	0.8	5
76	Comprometimento da árvore respiratória na granulomatose de Wegener. <i>Revista Brasileira De Reumatologia</i> , 2012, 52, 231-235.	0.8	5
77	Incidência de tromboembolismo venoso fatal em vasculite associada a anticorpo anticitoplasma de neutrófilos. <i>Jornal Brasileiro De Pneumologia</i> , 2011, 37, 409-411.	0.4	5
78	NONCARDIOGENIC PULMONARY EDEMA COMPLICATING DIABETIC KETOACIDOSIS. <i>Endocrine Practice</i> , 1996, 2, 379-381.	1.1	4
79	Different Low Constant Flows Can Equally Determine the Lower Inflection Point in Acute Respiratory Distress Syndrome Patients. <i>Artificial Organs</i> , 2001, 25, 882-889.	1.0	4
80	Noninvasive ventilation for acute respiratory failure in patients with hematologic malignancies: What an Italian 5-year multicenter survey tells us*. <i>Critical Care Medicine</i> , 2011, 39, 2358-2359.	0.4	4
81	In Situ Evidence of Pulmonary Endothelial Activation in Patients with Granulomatosis with Polyangiitis and Systemic Sclerosis. <i>Lung</i> , 2015, 193, 355-359.	1.4	4
82	Uma rara causa de dispnéia com apresentação singular na tomografia computadorizada de tórax: síndrome de ativação macrofágica. <i>Jornal Brasileiro De Pneumologia</i> , 2008, 34, 118-20.	0.4	4
83	Thoracic Computed Tomography to Assess ARDS and COVID-19 Lungs. <i>Frontiers in Physiology</i> , 2022, 13, 829534.	1.3	4
84	Re: Giant Leg Ulcer in Wegener's Granulomatosis Treated with Plasmapheresis and Skin Graft. <i>Dermatologic Surgery</i> , 2004, 30, 1182-1183.	0.4	3
85	Introducing automated acute lung injury/acute respiratory distress syndrome electronic screening in intensive care unit practice: Is it the future?*. <i>Critical Care Medicine</i> , 2011, 39, 209-210.	0.4	3
86	Changing the Focus in Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2013, 41, 2058-2059.	0.4	3
87	Tubos endotraqueais com aspiração supralonete diminuem a taxa de pneumonia associada à ventilação mecânica e são custo-efetivos?. <i>Revista Brasileira De Terapia Intensiva</i> , 2012, 24, 320-321.	0.1	3
88	Comment to: Intensive support recommendations for critically-ill patients with suspected or confirmed COVID-19 infection. <i>Einstein (Sao Paulo, Brazil)</i> , 2020, 18, eCE5931.	0.3	3
89	Impact of a respiratory ICU rotation on resident knowledge and confidence in managing mechanical ventilation. <i>Jornal Brasileiro De Pneumologia</i> , 2020, 46, e20190108-e20190108.	0.4	3
90	New puzzles for the use of non-invasive ventilation for immunosuppressed patients. <i>Journal of Thoracic Disease</i> , 2016, 8, E100-3.	0.6	3

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91	What is the real role of statins in community-acquired pneumonia and sepsis?*. Critical Care Medicine, 2011, 39, 1998-2000.	0.4	2
92	A 67-year-old woman with fever, multiple lung opacities, visual impairment and acute respiratory failure. Thorax, 2012, 67, 273-274.	2.7	2
93	The complex issue of a simple suctioning maneuver in acute respiratory distress syndrome*. Critical Care Medicine, 2008, 36, 644-645.	0.4	1
94	1337. Critical Care Medicine, 2013, 41, A345-A346.	0.4	1
95	Ventilation Strategies: Tidal Volume and PEEP. , 2017, , 29-39.		1
96	Is it worth to apply extra-corporeal membrane oxygenation in the immunocompromised patients with severe acute respiratory distress syndrome?. Journal of Thoracic Disease, 2019, 11, S425-S427.	0.6	1
97	Respiratory evaluation of patients requiring ventilator support due to acute respiratory failure. Open Journal of Nursing, 2012, 02, 336-340.	0.2	1
98	Tracheobronchomalacia in a patient on invasive mechanical ventilation: the role of electrical impedance tomography in its detection and positive end-expiratory pressure titration. Jornal Brasileiro De Pneumologia, 2015, 41, 203-205.	0.4	1
99	Recruitment manoeuvres. , 2019, , 185-194.		1
100	Wegeners Granulomatosis: Clinical, Epidemiologic And Sorologic Characteristics Of Patients From A Brazilian Tertiary Center. , 2011, , .		0
101	Mechanical Ventilation Profile In An Adult ICU In Brazil. , 2011, , .		0
102	Estimated Work Of Breathing In Pav-Plus Ventilation In ICU Patients. , 2011, , .		0
103	Daily Evaluation And Spontaneous Respiratory Test To Shorten Time Of Mechanical Ventilation In Children: A Randomized Controlled Trial. , 2011, , .		0
104	Picking Up the Pieces: Towards a Better Future for Critical Care Medicine in Three South American Countries. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 130-132.	2.5	0
105	Potentially modifiable factors contributing to outcome in patients without ARDS under invasive mechanical ventilatory supportâ€”A secondary analysis of PRoVENT. Journal of Critical Care, 2017, 42, 386.	1.0	0
106	Admitting an elderly patient with solid tumor in the intensive care unit: what do we have to look for?. Journal of Thoracic Disease, 2017, 9, 4141-4142.	0.6	0
107	Severe Acute Respiratory Distress Syndrome. , 0, , .		0
108	Acute Pulmonary Embolism: How to Best Predict It*. Critical Care Medicine, 2020, 48, 769-770.	0.4	0

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109	Advanced Modes of Mechanical Ventilation. , 0, , .		0
110	Association between ANCA positivity and HLA genotyping in Brazilian patients with Granulomatosis with Polyangiitis. , 2017, , .		0