LluÃ-s Blanch

List of Publications by Year
in descending order

84	4,056	147726 31	118793 62
papers	citations	h-index	g-index

91	91	91	3185
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Effect of Clusters of Double Triggering and Ineffective Efforts in Critically Ill Patients. Critical Care Medicine, 2022, 50, e619-e629.	0.4	8
2	An effective pressureâ€“flow characterization of respiratory asynchronies in mechanical ventilation. Journal of Clinical Monitoring and Computing, 2021, 35, 289-296.	0.7	13
3	Evaluation and Management of Ventilator-Patient Dyssynchrony. , 2021, , 715-728.		0
4	Automated detection and quantification of reverse triggering effort under mechanical ventilation. Critical Care, 2021, 25, 60.	2.5	27
5	Clusters of Double Triggering Impact Clinical Outcomes: Insights From the EPIdemiology of Patient-Ventilator aSYNChrony (EPISYNC) Cohort Study. Critical Care Medicine, 2021, 49, 1460-1469.	0.4	11
6	Longitudinal Changes in Patient-Ventilator Asynchronies and Respiratory System Mechanics Before and After Tracheostomy. Respiratory Care, 2021, 66, 1389-1397.	0.8	2
7	Cardiopulmonary coupling indices to assess weaning readiness from mechanical ventilation. Scientific Reports, 2021, 11, 16014.	1.6	5
8	The central nervous system during lung injury and mechanical ventilation: a narrative review. British Journal of Anaesthesia, 2021, 127, 648-659.	1.5	20
9	Reclutamiento alveolar agresivo en el SDRA: mÃ¡s sombras que luces. Medicina Intensiva, 2021, 45, 431-436.	0.4	0
10	Virtual Reality-Based Early Neurocognitive Stimulation in Critically Ill Patients: A Pilot Randomized Clinical Trial. Journal of Personalized Medicine, 2021, 11, 1260.	1.1	8
11	Cognitive phenotypes 1Âmonth after ICU discharge in mechanically ventilated patients: a prospective observational cohort study. Critical Care, 2020, 24, 618.	2.5	24
12	Integrated 3D printing solution to mitigate shortages of airway consumables and personal protective equipment during the COVID-19 pandemic. BMC Health Services Research, 2020, 20, 1035.	0.9	6
13	Response to the letter: Esophageal pressure and potential confounders for evaluating patient-ventilator asynchrony. Journal of Critical Care, 2020, 60, 345-346.	1.0	0
14	Considerations for an Optimal Electrical Activity of the Diaphragm Threshold for Automated Detection of Ineffective Efforts. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1604-1605.	2.5	1
15	Development and validation of a sample entropy-based method to identify complex patient-ventilator interactions during mechanical ventilation. Scientific Reports, 2020, 10, 13911.	1.6	4
16	Monitoring Asynchrony During Invasive Mechanical Ventilation. Respiratory Care, 2020, 65, 847-869.	0.8	14
17	Predictors of asynchronies during assisted ventilation and its impact on clinical outcomes: The EPISYNC cohort study. Journal of Critical Care, 2020, 57, 30-35.	1.0	25
18	Comparison of direct and indirect models of early induced acute lung injury. Intensive Care Medicine Experimental, 2020, 8, 62.	0.9	30

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19	Patient-ventilator asynchronies during mechanical ventilation: current knowledge and research priorities. Intensive Care Medicine Experimental, 2019, 7, 43.	0.9	73
20	Effects of sedatives and opioids on trigger and cycling asynchronies throughout mechanical ventilation: an observational study in a large dataset from critically ill patients. Critical Care, 2019, 23, 245.	2.5	35
21	Whatâ€™s new in intensive care: tracheostomyâ€”what is known and what remains to be determined. Intensive Care Medicine, 2019, 45, 1619-1621.	3.9	23
22	EPISYNC study: predictors of patient-ventilator asynchrony in a prospective cohort of patients under invasive mechanical ventilation - study protocol. BMJ Open, 2019, 9, e028601.	0.8	4
23	Hippocampal Damage During Mechanical Ventilation in Trendelenburg Position: A Secondary Analysis of an Experimental Study on the Prevention of Ventilator-Associated Pneumonia. Shock, 2019, 52, 75-82.	1.0	7
24	Physiological Markers for Acute Respiratory Distress Syndrome: Letâ€™s Get More Efficient!. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 260-261.	2.5	5
25	Monitoring patientâ€“ventilator interaction. , 2019, , 159-170.		0
26	Minimizing Asynchronies in Mechanical Ventilation: Current and Future Trends. Respiratory Care, 2018, 63, 464-478.	0.8	51
27	Validation of the ICU-DaMa tool for automatically extracting variables for minimum dataset and quality indicators: The importance of data quality assessment. International Journal of Medical Informatics, 2018, 112, 166-172.	1.6	22
28	Predicting Patient-ventilator Asynchronies with Hidden Markov Models. Scientific Reports, 2018, 8, 17614.	1.6	26
29	White paper: statement on conflicts of interest. Intensive Care Medicine, 2018, 44, 1657-1668.	3.9	10
30	Asynchrony Between Fact and Dogmaâ€”Response. Respiratory Care, 2018, 63, 941.2-942.	0.8	0
31	Double Cycling During Mechanical Ventilation: Frequency, Mechanisms, and Physiologic Implications*. Critical Care Medicine, 2018, 46, 1385-1392.	0.4	53
32	Mechanisms involved in brain dysfunction in mechanically ventilated critically ill patients: implications and therapeutics. Annals of Translational Medicine, 2018, 6, 30-30.	0.7	26
33	Dead space in acute respiratory distress syndrome. Annals of Translational Medicine, 2018, 6, 388-388.	0.7	19
34	Dead Space in ARDS: Die Hard. Respiratory Care, 2017, 62, 1372-1374.	0.8	1
35	The intensive care medicine research agenda for airways, invasive and noninvasive mechanical ventilation. Intensive Care Medicine, 2017, 43, 1352-1365.	3.9	41
36	Bayesian joint modeling of bivariate longitudinal and competing risks data: An application to study patientâ€ventilator asynchronies in critical care patients. Biometrical Journal, 2017, 59, 1184-1203.	0.6	34

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37	Lungâ€“brain cross talk in the critically ill. Intensive Care Medicine, 2017, 43, 557-559.	3.9	29
38	Feasibility and safety of virtual-reality-based early neurocognitive stimulation in critically ill patients. Annals of Intensive Care, 2017, 7, 81.	2.2	34
39	Patient-ventilator asynchrony. Current Opinion in Critical Care, 2016, 22, 53-59.	1.6	52
40	Impact of Recruitment on Static and Dynamic Lung Strain in Acute Respiratory Distress Syndrome. Anesthesiology, 2016, 124, 443-452.	1.3	9
41	Dead space in acute respiratory distress syndrome: more than a feeling!. Critical Care, 2016, 20, 214.	2.5	3
42	Automatic detection of ventilatory modes during invasive mechanical ventilation. Critical Care, 2016, 20, 258.	2.5	14
43	The Intensive care unit specialist: Report from the Task Force of World Federation of Societies of Intensive and Critical Care Medicine. Journal of Critical Care, 2016, 35, 223-228.	1.0	37
44	Triage decisions for ICU admission: Report from the Task Force of the World Federation of Societies of Intensive and Critical Care Medicine. Journal of Critical Care, 2016, 36, 301-305.	1.0	96
45	Esophageal and transpulmonary pressure in the clinical setting: meaning, usefulness and perspectives. Intensive Care Medicine, 2016, 42, 1360-1373.	3.9	352
46	Does this ventilated patient have asynchronies? Recognizing reverse triggering and entrainment at the bedside. Intensive Care Medicine, 2016, 42, 1058-1061.	3.9	29
47	Autonomic nervous system assessment in critically ill patients undergoing a cognitive rehabilitation therapy. , 2015, , .		0
48	Moderate Peep After Tracheal Lipopolysaccharide Instillation Prevents Inflammation and Modifies the Pattern of Brain Neuronal Activation. Shock, 2015, 44, 601-608.	1.0	13
49	Effects on lung stress of position and different doses of perfluorocarbon in a model of ARDS. Respiratory Physiology and Neurobiology, 2015, 210, 30-37.	0.7	5
50	Influence of Dynamic Leaks in Volume-Targeted Pressure Support Noninvasive Ventilation: A Bench Study. Respiratory Care, 2015, 60, 191-200.	0.8	24
51	Asynchronies during mechanical ventilation are associated with mortality. Intensive Care Medicine, 2015, 41, 633-641.	3.9	366
52	A Clinical Classification of the Acute Respiratory Distress Syndrome for Predicting Outcome and Guiding Medical Therapy*. Critical Care Medicine, 2015, 43, 346-353.	0.4	59
53	Why Use Anything But a Standard Spontaneous Breathing Trial to Determine Readiness for Ventilator Discontinuation?. Respiratory Care, 2015, 60, 1705-1707.	0.8	4
54	Brain injury requires lung protection. Annals of Translational Medicine, 2015, 3, S5.	0.7	7

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55	Early activation of pro-fibrotic WNT5A in sepsis-induced acute lung injury. Critical Care, 2014, 18, 568.	2.5	44
56	Respiratory Care Year in Review 2013: Airway Management, Noninvasive Monitoring, and Invasive Mechanical Ventilation. Respiratory Care, 2014, 59, 595-606.	0.8	6
57	The Physiology of Ventilation. Respiratory Care, 2014, 59, 1795-1807.	0.8	14
58	A universal definition of ARDS: the PaO2/FiO2 ratio under a standard ventilatory settingâ€"a prospective, multicenter validation study. Intensive Care Medicine, 2013, 39, 583-592.	3.9	158
59	Do we need to innovate in critical care practice?. Critical Care, 2013, 17, 166.	2.5	6
60	Effect of dynamic random leaks on the monitoring accuracy of home mechanical ventilators: a bench study. BMC Pulmonary Medicine, 2013, 13, 75.	0.8	32
61	Nurses' Detection of Ineffective Inspiratory Efforts During Mechanical Ventilation. American Journal of Critical Care, 2012, 21, e89-e93.	0.8	23
62	Organ crosstalk during acute lung injury, acute respiratory distress syndrome, and mechanical ventilation. Current Opinion in Critical Care, 2012, 18, 23-28.	1.6	54
63	Validation of the Better CareÂ® system to detect ineffective efforts during expiration in mechanically ventilated patients: a pilot study. Intensive Care Medicine, 2012, 38, 772-780.	3.9	111
64	Injurious mechanical ventilation affects neuronal activation in ventilated rats. Critical Care, 2011, 15, R124.	2.5	67
65	The ALIEN study: incidence and outcome of acute respiratory distress syndrome in the era of lung protective ventilation. Intensive Care Medicine, 2011, 37, 1932-1941.	3.9	482
66	Sildenafil for pulmonary hypertension in ARDS: a new pleasant effect?. Intensive Care Medicine, 2010, 36, 729-731.	3.9	9
67	Mechanical ventilation modulates Toll-like receptor signaling pathway in a sepsis-induced lung injury model. Intensive Care Medicine, 2010, 36, 1049-1057.	3.9	45
68	A new automated method versus continuous positive airway pressure method for measuring pressureâ€"volume curves in patients with acute lung injury. Intensive Care Medicine, 2009, 35, 565-570.	3.9	18
69	Pressureâ€"volume curves and ventilator tuning in acute respiratory distress syndrome*. Pediatric Critical Care Medicine, 2009, 10, 532-533.	0.2	1
70	Influence of acute brain injury on distant organ function in intensive care patients. Journal of Organ Dysfunction, 2008, 4, 145-150.	0.3	0
71	Prognostic Value of Different Dead Space Indices in Mechanically Ventilated Patients With Acute Lung Injury and ARDS. Chest, 2008, 133, 62-71.	0.4	87
72	Bedside evaluation of pressureâ€"volume curves in patients with acute respiratory distress syndrome. Current Opinion in Critical Care, 2007, 13, 332-337.	1.6	20

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73	Measurement of air trapping, intrinsic positive end-expiratory pressure, and dynamic hyperinflation in mechanically ventilated patients. Respiratory Care, 2005, 50, 110-23; discussion 123-4.	0.8	103
74	Clinical review: the implications of experimental and clinical studies of recruitment maneuvers in acute lung injury. Critical Care, 2003, 8, 115.	2.5	33
75	Application of continuous positive airway pressure to trace static pressure-volume curves of the respiratory system. Critical Care Medicine, 2003, 31, 2514-2519.	0.4	53
76	Recruitment Maneuvers during Lung Protective Ventilation in Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2002, 165, 165-170.	2.5	201
77	Recruitment maneuvers in acute lung injury. Respiratory Care Clinics of North America, 2002, 8, 281-294.	0.5	12
78	Application of Tracheal Gas Insufflation to Acute Unilateral Lung Injury in an Experimental Model. American Journal of Respiratory and Critical Care Medicine, 2001, 164, 642-647.	2.5	43
79	Effects of Decreased Respiratory Frequency on Ventilator-induced Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2000, 161, 463-468.	2.5	240
80	Recruitment Maneuvers in Three Experimental Models of Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2000, 161, 1485-1494.	2.5	244
81	Effect of two tidal volumes on oxygenation and respiratory system mechanics during the early stage of adult respiratory distress syndrome. Journal of Critical Care, 1994, 9, 151-158.	1.0	40
82	Bacterial Meningitis with â€œNormalâ€•Cerebrospinal Fluid in Adults: A Report on Five Cases. Scandinavian Journal of Infectious Diseases, 1990, 22, 115-116.	1.5	20
83	Effect of PEEP on the Arterial Minus End-tidal Carbon Dioxide Gradient. Chest, 1987, 92, 451-454.	0.4	79
84	Post-neurosurgical and Spontaneous Gram-negative Bacillary Meningitis in Adults. Scandinavian Journal of Infectious Diseases, 1986, 18, 533-538.	1.5	48