

Jesus Villar

List of Publications by Year in Descending Order

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Version: 2024-04-28

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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.

199
papers

10,030
citations

47
h-index

96
g-index

244
ext. papers

12,245
ext. citations

6.3
avg, IF

6.04
L-index

#	Paper	IF	Citations
199	Hyperoxemia in postsurgical sepsis/septic shock patients is associated with reduced mortality.. <i>Critical Care</i> , 2022 , 26, 4	10.8	1
198	Clinical relevance of circulating angiogenic cells in patients with ischemic stroke.. <i>BMC Cardiovascular Disorders</i> , 2022 , 22, 118	2.3	
197	Admixture Mapping of Sepsis in European Individuals With African Ancestries.. <i>Frontiers in Medicine</i> , 2022 , 9, 754440	4.9	
196	The PANDORA Study: Prevalence and Outcome of Acute Hypoxemic Respiratory Failure in the Pre-COVID-19 Era. 2022 , 4, e0684		0
195	Unsuccessful and Successful Clinical Trials in Acute Respiratory Distress Syndrome: Addressing Physiology-Based Gaps.. <i>Frontiers in Physiology</i> , 2021 , 12, 774025	4.6	2
194	Clinical and biological markers for predicting ARDS and outcome in septic patients. <i>Scientific Reports</i> , 2021 , 11, 22702	4.9	3
193	Effect of prewarming on body temperature in short-term bladder or prostatic transurethral resection under general anesthesia: A randomized, double-blind, controlled trial. <i>Scientific Reports</i> , 2021 , 11, 20762	4.9	1
192	1029: Prevalence and Outcomes of Acute Hypoxemic Respiratory Failure in Wales: the PANDORA-WALES Study. <i>Critical Care Medicine</i> , 2021 , 49, 513-513	1.4	
191	Weaning patients with obesity from ventilatory support. <i>Current Opinion in Critical Care</i> , 2021 , 27, 311-315	3.5	1
190	Probiotic Properties of <i>Alcaligenes faecalis</i> Isolated from <i>Argyrosomus regius</i> in Experimental Peritonitis (Rat Model). <i>Probiotics and Antimicrobial Proteins</i> , 2021 , 13, 1326-1337	5.5	2
189	Ten reasons why corticosteroid therapy reduces mortality in severe COVID-19. <i>Intensive Care Medicine</i> , 2021 , 47, 355-356	14.5	3
188	Predictors of failure with high-flow nasal oxygen therapy in COVID-19 patients with acute respiratory failure: a multicenter observational study. <i>Journal of Intensive Care</i> , 2021 , 9, 23	7	11
187	Short-Periods of Pre-Warming in Laparoscopic Surgery. A Non-Randomized Clinical Trial Evaluating Current Clinical Practice. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	2
186	Novel criteria to classify ARDS severity using a machine learning approach. <i>Critical Care</i> , 2021 , 25, 150	10.8	3
185	The role of routine FIBERoptic bronchoscopy monitoring during percutaneous dilatational TRACHEostomy (FIBERTRACH): a study protocol for a randomized, controlled clinical trial. <i>Trials</i> , 2021 , 22, 423	2.8	1
184	Identification of as a Potential Locus Associated with Inhaled Corticosteroid Response in Childhood Asthma. <i>Journal of Personalized Medicine</i> , 2021 , 11,	3.6	1
183	Stratification for Identification of Prognostic Categories In the Acute RESpiratory Distress Syndrome (SPIRES) Score. <i>Critical Care Medicine</i> , 2021 , 49, e920-e930	1.4	1

182	A deoxyribonuclease 1-like 3 genetic variant associates with asthma exacerbations. <i>Journal of Allergy and Clinical Immunology</i> , 2021 , 147, 1095-1097.e10	11.5	1
181	Combined analysis of transcriptomic and genetic data for the identification of loci involved in glucocorticosteroid response in asthma. <i>Allergy: European Journal of Allergy and Clinical Immunology</i> , 2021 , 76, 1238-1243	9.3	5
180	Genome-wide association study reveals a novel locus for asthma with severe exacerbations in diverse populations. <i>Pediatric Allergy and Immunology</i> , 2021 , 32, 106-115	4.2	5
179	Early corticosteroids are associated with lower mortality in critically ill patients with COVID-19: a cohort study. <i>Critical Care</i> , 2021 , 25, 2	10.8	22
178	High-flow nasal oxygen in patients with COVID-19-associated acute respiratory failure. <i>Critical Care</i> , 2021 , 25, 58	10.8	54
177	Ventilator Weaning and Discontinuation Practices for Critically Ill Patients. <i>JAMA - Journal of the American Medical Association</i> , 2021 , 325, 1173-1184	27.4	12
176	Predicting Duration of Mechanical Ventilation in Acute Respiratory Distress Syndrome Using Supervised Machine Learning. <i>Journal of Clinical Medicine</i> , 2021 , 10,	5.1	4
175	Whole-Blood Mitochondrial DNA Copies Are Associated With the Prognosis of Acute Respiratory Distress Syndrome After Sepsis. <i>Frontiers in Immunology</i> , 2021 , 12, 737369	8.4	2
174	Intraoperative open lung condition and postoperative pulmonary complications. A secondary analysis of iPROVE and iPROVE-O2 trials. <i>Acta Anaesthesiologica Scandinavica</i> , 2021 ,	1.9	3
173	Monitoring Expired CO Kinetics to Individualize Lung-Protective Ventilation in Patients With the Acute Respiratory Distress Syndrome.. <i>Frontiers in Physiology</i> , 2021 , 12, 785014	4.6	2
172	Effects of Ozone Treatment on Personal Protective Equipment Contaminated with SARS-CoV-2. <i>Antioxidants</i> , 2020 , 9,	7.1	11
171	Prevalence and Outcomes of Acute Hypoxaemic Respiratory Failure in Wales: The PANDORA-WALES Study. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	5
170	Admixture mapping of asthma in southwestern Europeans with North African ancestry influences. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 318, L965-L975	5.8	4
169	Sepsis-associated acute respiratory distress syndrome in individuals of European ancestry: a genome-wide association study. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 258-266	35.1	10
168	Dexamethasone treatment for the acute respiratory distress syndrome: a multicentre, randomised controlled trial. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 267-276	35.1	461
167	Precision Medicine in Childhood Asthma: Omic Studies of Treatment Response. <i>International Journal of Molecular Sciences</i> , 2020 , 21,	6.3	2
166	A noninvasive postoperative clinical score to identify patients at risk for postoperative pulmonary complications: the Air-Test Score. <i>Minerva Anestesiologica</i> , 2020 , 86, 404-415	1.9	4
165	Effects of oxygen on post-surgical infections during an individualised perioperative open-lung ventilatory strategy: a randomised controlled trial. <i>British Journal of Anaesthesia</i> , 2020 , 124, 110-120	5.4	13

164	Awake prone positioning does not reduce the risk of intubation in COVID-19 treated with high-flow nasal oxygen therapy: a multicenter, adjusted cohort study. <i>Critical Care</i> , 2020 , 24, 597	10.8	77
163	Could lung bacterial dysbiosis predict ICU mortality in patients with extra-pulmonary sepsis? A proof-of-concept study. <i>Intensive Care Medicine</i> , 2020 , 46, 2118-2120	14.5	4
162	Clinical features, ventilatory management, and outcome of ARDS caused by COVID-19 are similar to other causes of ARDS. <i>Intensive Care Medicine</i> , 2020 , 46, 2200-2211	14.5	166
161	Systemic Effects Induced by Hyperoxia in a Preclinical Model of Intra-abdominal Sepsis. <i>Mediators of Inflammation</i> , 2020 , 2020, 5101834	4.3	3
160	Association Between Administration of Systemic Corticosteroids and Mortality Among Critically Ill Patients With COVID-19: A Meta-analysis. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 324, 1330-1341	27.4	1083
159	Corticosteroid therapy for critically ill patients with COVID-19: A structured summary of a study protocol for a prospective meta-analysis of randomized trials. <i>Trials</i> , 2020 , 21, 734	2.8	15
158	The Genomics and Metagenomics of Asthma Severity (GEMAS) Study: Rationale and Design. <i>Journal of Personalized Medicine</i> , 2020 , 10,	3.6	1
157	Neurally adjusted ventilatory assist in acute respiratory failure: a randomized controlled trial. <i>Intensive Care Medicine</i> , 2020 , 46, 2327-2337	14.5	12
156	Efficacy of dexamethasone treatment for patients with the acute respiratory distress syndrome caused by COVID-19: study protocol for a randomized controlled superiority trial. <i>Trials</i> , 2020 , 21, 717	2.8	20
155	Rationale for Prolonged Corticosteroid Treatment in the Acute Respiratory Distress Syndrome Caused by Coronavirus Disease 2019 2020 , 2, e0111		71
154	Genomics and the Acute Respiratory Distress Syndrome: Current and Future Directions. <i>International Journal of Molecular Sciences</i> , 2019 , 20,	6.3	14
153	Prospective observational study of the effectiveness of prewarming on perioperative hypothermia in surgical patients submitted to spinal anesthesia. <i>Scientific Reports</i> , 2019 , 9, 16477	4.9	7
152	High-flow nasal cannula oxygenation reduces postoperative hypoxemia in morbidly obese patients: a randomized controlled trial. <i>Minerva Anestesiologica</i> , 2019 , 85, 1062-1070	1.9	10
151	Rationale and Study Design for an Individualized Perioperative Open Lung Ventilatory Strategy in Patients on One-Lung Ventilation (iPROVE-OLV). <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019 , 33, 2492-2502	2.1	11
150	A Prognostic Enrichment Strategy for Selection of Patients With Acute Respiratory Distress Syndrome in Clinical Trials. <i>Critical Care Medicine</i> , 2019 , 47, 377-385	1.4	7
149	Variation in the practice of discontinuing mechanical ventilation in critically ill adults: study protocol for an international prospective observational study. <i>BMJ Open</i> , 2019 , 9, e031775	3	3
148	Lung Repair and Regeneration in ARDS: Role of PECAM1 and Wnt Signaling. <i>Chest</i> , 2019 , 155, 587-594	5.3	60
147	Epidemiology and Changes in Mortality of Sepsis After the Implementation of Surviving Sepsis Campaign Guidelines. <i>Journal of Intensive Care Medicine</i> , 2019 , 34, 740-750	3.3	33

146	"Size Matters" in Regard to Acute Respiratory Distress Syndrome Case Volume and Mortality!. <i>Critical Care Medicine</i> , 2018 , 46, 826-827	1.4	
145	Is Overall Mortality the Right Composite Endpoint in Clinical Trials of Acute Respiratory Distress Syndrome?. <i>Critical Care Medicine</i> , 2018 , 46, 892-899	1.4	15
144	Individualised perioperative open-lung approach versus standard protective ventilation in abdominal surgery (iPROVE): a randomised controlled trial. <i>Lancet Respiratory Medicine</i> , 2018 , 6, 193-203	35.1	89
143	International Practice Variation in Weaning Critically Ill Adults from Invasive Mechanical Ventilation. <i>Annals of the American Thoracic Society</i> , 2018 , 15, 494-502	4.7	30
142	Last Word on Viewpoint: Looking beyond macroventilatory parameters and rethinking ventilator-induced lung injury. <i>Journal of Applied Physiology</i> , 2018 , 124, 1220-1221	3.7	2
141	Looking beyond macroventilatory parameters and rethinking ventilator-induced lung injury. <i>Journal of Applied Physiology</i> , 2018 , 124, 1214-1218	3.7	6
140	A vascular endothelial growth factor receptor gene variant is associated with susceptibility to acute respiratory distress syndrome. <i>Intensive Care Medicine Experimental</i> , 2018 , 6, 16	3.7	7
139	Lung-protective Ventilation in the Operating Room: Individualized Positive End-expiratory Pressure Is Needed!. <i>Anesthesiology</i> , 2018 , 129, 1057-1059	4.3	7
138	A pathway-based association study reveals variants from Wnt signalling genes contributing to asthma susceptibility. <i>Clinical and Experimental Allergy</i> , 2017 , 47, 618-626	4.1	20
137	The authors reply. <i>Critical Care Medicine</i> , 2017 , 45, e238-e239	1.4	
136	GOLDEN anniversary of the acute respiratory distress syndrome: still much work to do!. <i>Current Opinion in Critical Care</i> , 2017 , 23, 4-9	3.5	23
135	The authors reply. <i>Critical Care Medicine</i> , 2017 , 45, e116-e117	1.4	
134	The accuracy of postoperative, non-invasive Air-Test to diagnose atelectasis in healthy patients after surgery: a prospective, diagnostic pilot study. <i>BMJ Open</i> , 2017 , 7, e015560	3	21
133	A Quantile Analysis of Plateau and Driving Pressures: Effects on Mortality in Patients With Acute Respiratory Distress Syndrome Receiving Lung-Protective Ventilation. <i>Critical Care Medicine</i> , 2017 , 45, 843-850	1.4	56
132	Biomarkers for the acute respiratory distress syndrome: how to make the diagnosis more precise. <i>Annals of Translational Medicine</i> , 2017 , 5, 283	3.2	57
131	Managing Persistent Hypoxemia: what is new?. <i>F1000Research</i> , 2017 , 6, 1993	3.6	
130	The road to precision medicine in sepsis: blood transcriptome endotypes. <i>Lancet Respiratory Medicine</i> , 2017 , 5, 767-768	35.1	3
129	Rationale and study design for an individualised perioperative open-lung ventilatory strategy with a high versus conventional inspiratory oxygen fraction (iPROVE-O2) and its effects on surgical site infection: study protocol for a randomised controlled trial. <i>BMJ Open</i> , 2017 , 7, e016765	3	3

128	The LUNG SAFE: a biased presentation of the prevalence of ARDS!. <i>Critical Care</i> , 2016 , 20, 108	10.8	15
127	Inhibition of endotoxin-induced airway epithelial cell injury by a novel family of pyrrol derivatives. <i>Laboratory Investigation</i> , 2016 , 96, 632-40	5.9	8
126	Concerns about LUNG-SAFE: response to the letter to the Editor of Critical Care by Bellani et al. <i>Critical Care</i> , 2016 , 20, 296	10.8	3
125	Current incidence and outcome of the acute respiratory distress syndrome. <i>Current Opinion in Critical Care</i> , 2016 , 22, 1-6	3.5	108
124	Mortality Reduction and Long-Term Compliance with Surviving Sepsis Campaign: A Nationwide Multicenter Study. <i>Shock</i> , 2016 , 45, 598-606	3.4	15
123	Open Lung Approach for the Acute Respiratory Distress Syndrome: A Pilot, Randomized Controlled Trial. <i>Critical Care Medicine</i> , 2016 , 44, 32-42	1.4	159
122	Age, PaO ₂ /FIO ₂ , and Plateau Pressure Score: A Proposal for a Simple Outcome Score in Patients With the Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2016 , 44, 1361-9	1.4	61
121	Neurally adjusted ventilatory assist in patients with acute respiratory failure: study protocol for a randomized controlled trial. <i>Trials</i> , 2016 , 17, 500	2.8	6
120	Automatic detection of ventilatory modes during invasive mechanical ventilation. <i>Critical Care</i> , 2016 , 20, 258	10.8	11
119	Evaluating the efficacy of dexamethasone in the treatment of patients with persistent acute respiratory distress syndrome: study protocol for a randomized controlled trial. <i>Trials</i> , 2016 , 17, 342	2.8	31
118	Genetics of Acute Respiratory Distress Syndrome 2016 , 1-9		2
117	Genome-wide association study in Spanish identifies ADAM metallopeptidase with thrombospondin type 1 motif, 9 (ADAMTS9), as a novel asthma susceptibility gene. <i>Journal of Allergy and Clinical Immunology</i> , 2016 , 137, 964-6	11.5	15
116	External validation confirms the legitimacy of a new clinical classification of ARDS for predicting outcome. <i>Intensive Care Medicine</i> , 2015 , 41, 2004-5	14.5	8
115	Endotoxin-induced lung alveolar cell injury causes brain cell damage. <i>Experimental Biology and Medicine</i> , 2015 , 240, 135-42	3.7	14
114	Tryptase is involved in the development of early ventilator-induced pulmonary fibrosis in sepsis-induced lung injury. <i>Critical Care</i> , 2015 , 19, 138	10.8	12
113	Assessment of PaO ₂ /FIO ₂ for stratification of patients with moderate and severe acute respiratory distress syndrome. <i>BMJ Open</i> , 2015 , 5, e006812	3	65
112	A clinical classification of the acute respiratory distress syndrome for predicting outcome and guiding medical therapy*. <i>Critical Care Medicine</i> , 2015 , 43, 346-53	1.4	49
111	Altered Profile of Circulating Endothelial-Derived Microparticles in Ventilator-Induced Lung Injury. <i>Critical Care Medicine</i> , 2015 , 43, e551-9	1.4	19

110	Common variants of NFE2L2 gene predisposes to acute respiratory distress syndrome in patients with severe sepsis. <i>Critical Care</i> , 2015 , 19, 256	10.8	13
109	The authors reply. <i>Critical Care Medicine</i> , 2015 , 43, e214-5	1.4	
108	Moderate Peep After Tracheal Lipopolysaccharide Instillation Prevents Inflammation and Modifies the Pattern of Brain Neuronal Activation. <i>Shock</i> , 2015 , 44, 601-8	3.4	11
107	Fine mapping of the myosin light chain kinase (MYLK) gene replicates the association with asthma in populations of Spanish descent. <i>Journal of Allergy and Clinical Immunology</i> , 2015 , 136, 1116-8.e9	11.5	7
106	Asynchronies during mechanical ventilation are associated with mortality. <i>Intensive Care Medicine</i> , 2015 , 41, 633-41	14.5	248
105	Lung Transcriptomics during Protective Ventilatory Support in Sepsis-Induced Acute Lung Injury. <i>PLoS ONE</i> , 2015 , 10, e0132296	3.7	18
104	HLA-DRB1*15:01 allele protects from asthma susceptibility. <i>Journal of Allergy and Clinical Immunology</i> , 2014 , 134, 1201-3	11.5	5
103	Soluble platelet-endothelial cell adhesion molecule-1, a biomarker of ventilator-induced lung injury. <i>Critical Care</i> , 2014 , 18, R41	10.8	7
102	Assessing the quality of studies supporting genetic susceptibility and outcomes of ARDS. <i>Frontiers in Genetics</i> , 2014 , 5, 20	4.5	16
101	Functional characterization of polymorphisms in the peptidase inhibitor 3 (elafin) gene and validation of their contribution to risk of acute respiratory distress syndrome. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014 , 51, 262-72	5.7	12
100	Early activation of pro-fibrotic WNT5A in sepsis-induced acute lung injury. <i>Critical Care</i> , 2014 , 18, 568	10.8	38
99	Multiple system organ response induced by hyperoxia in a clinically relevant animal model of sepsis. <i>Shock</i> , 2014 , 42, 148-53	3.4	28
98	The acute respiratory distress syndrome: incidence and mortality, has it changed?. <i>Current Opinion in Critical Care</i> , 2014 , 20, 3-9	3.5	132
97	Mechanical ventilation-associated lung fibrosis in acute respiratory distress syndrome: a significant contributor to poor outcome. <i>Anesthesiology</i> , 2014 , 121, 189-98	4.3	92
96	A universal definition of ARDS: the PaO2/FiO2 ratio under a standard ventilatory setting—a prospective, multicenter validation study. <i>Intensive Care Medicine</i> , 2013 , 39, 583-92	14.5	114
95	Novel approaches to minimize ventilator-induced lung injury. <i>BMC Medicine</i> , 2013 , 11, 85	11.4	75
94	What is new in refractory hypoxemia?. <i>Intensive Care Medicine</i> , 2013 , 39, 1207-10	14.5	10
93	Functional promoter variants in sphingosine 1-phosphate receptor 3 associate with susceptibility to sepsis-associated acute respiratory distress syndrome. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2013 , 305, L467-77	5.8	36

92	Assessing the validity of asthma associations for eight candidate genes and age at diagnosis effects. <i>PLoS ONE</i> , 2013 , 8, e73157	3.7	11
91	Year in review 2011: Critical Care - respiratory. <i>Critical Care</i> , 2012 , 16, 243	10.8	1
90	No association between genetic ancestry and susceptibility to asthma or atopy in Canary Islanders. <i>Immunogenetics</i> , 2012 , 64, 705-11	3.2	1
89	Searching for novel molecular targets of chronic rejection in an orthotopic experimental lung transplantation model. <i>Journal of Heart and Lung Transplantation</i> , 2012 , 31, 213-21	5.8	8
88	IL-1 receptor-associated kinase 3 gene (IRAK3) variants associate with asthma in a replication study in the Spanish population. <i>Journal of Allergy and Clinical Immunology</i> , 2012 , 129, 573-5, 575.e1-10	11.5	19
87	The American-European Consensus Conference definition of the acute respiratory distress syndrome is dead, long live positive end-expiratory pressure!. <i>Medicina Intensiva</i> , 2012 , 36, 571-5	1.2	8
86	Anti-inflammatory activity of a novel family of aryl ureas compounds in an endotoxin-induced airway epithelial cell injury model. <i>PLoS ONE</i> , 2012 , 7, e48468	3.7	19
85	Validation of the Better Care ² system to detect ineffective efforts during expiration in mechanically ventilated patients: a pilot study. <i>Intensive Care Medicine</i> , 2012 , 38, 772-80	14.5	84
84	Asynchrony, neural drive, ventilatory variability and COMFORT: NAVA versus pressure support in pediatric patients. A non-randomized cross-over trial. <i>Intensive Care Medicine</i> , 2012 , 38, 838-46	14.5	71
83	Nurses' detection of ineffective inspiratory efforts during mechanical ventilation. <i>American Journal of Critical Care</i> , 2012 , 21, e89-93	1.7	11
82	Pediatric Acute Lung Injury Epidemiology and Natural History study: Incidence and outcome of the acute respiratory distress syndrome in children. <i>Critical Care Medicine</i> , 2012 , 40, 3238-45	1.4	115
81	Mechanical stress induces lung fibrosis by epithelial-mesenchymal transition. <i>Critical Care Medicine</i> , 2012 , 40, 510-7	1.4	89
80	Pressure and volume limited ventilation for the ventilatory management of patients with acute lung injury: a systematic review and meta-analysis. <i>PLoS ONE</i> , 2011 , 6, e14623	3.7	62
79	Acute respiratory distress syndrome definition: do we need a change?. <i>Current Opinion in Critical Care</i> , 2011 , 17, 13-7	3.5	14
78	When it comes to ventilation, noisy is better than quiet and variability is healthier than constant!. <i>Critical Care Medicine</i> , 2011 , 39, 898-9	1.4	4
77	Pulsed ultrasounds accelerate healing of rib fractures in an experimental animal model: an effective new thoracic therapy?. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2011 , 141, 1253-8	1.5	4
76	WNT/ β -catenin signaling is modulated by mechanical ventilation in an experimental model of acute lung injury. <i>Intensive Care Medicine</i> , 2011 , 37, 1201-9	14.5	37
75	The ALIEN study: incidence and outcome of acute respiratory distress syndrome in the era of lung protective ventilation. <i>Intensive Care Medicine</i> , 2011 , 37, 1932-41	14.5	381

74	Injurious mechanical ventilation affects neuronal activation in ventilated rats. <i>Critical Care</i> , 2011 , 15, R124	10.8	52
73	Type 2 deiodinase and host responses of sepsis and acute lung injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011 , 45, 1203-11	5.7	50
72	Interleukin-1 receptor-associated kinase 3 gene associates with susceptibility to acute lung injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2011 , 45, 740-5	5.7	23
71	Performance of current intensive care unit ventilators during pressure and volume ventilation. <i>Respiratory Care</i> , 2011 , 56, 928-40	2.1	11
70	A risk tertiles model for predicting mortality in patients with acute respiratory distress syndrome: age, plateau pressure, and P(aO ₂)/F(IO ₂) at ARDS onset can predict mortality. <i>Respiratory Care</i> , 2011 , 56, 420-8	2.1	45
69	What is the acute respiratory distress syndrome?. <i>Respiratory Care</i> , 2011 , 56, 1539-45	2.1	30
68	North African influences and potential bias in case-control association studies in the Spanish population. <i>PLoS ONE</i> , 2011 , 6, e18389	3.7	22
67	Activation of the Wnt/ β -catenin signaling pathway by mechanical ventilation is associated with ventilator-induced pulmonary fibrosis in healthy lungs. <i>PLoS ONE</i> , 2011 , 6, e23914	3.7	56
66	Clinical repercussions of high-frequency percussive ventilation: a burning issue. <i>Critical Care Medicine</i> , 2010 , 38, 2069-70	1.4	1
65	Early physiological and biological features in three animal models of induced acute lung injury. <i>Intensive Care Medicine</i> , 2010 , 36, 347-55	14.5	19
64	Mechanical ventilation modulates Toll-like receptor signaling pathway in a sepsis-induced lung injury model. <i>Intensive Care Medicine</i> , 2010 , 36, 1049-57	14.5	40
63	Mechanical ventilation modulates TLR4 and IRAK-3 in a non-infectious, ventilator-induced lung injury model. <i>Respiratory Research</i> , 2010 , 11, 27	7.3	33
62	Common variants of TLR1 associate with organ dysfunction and sustained pro-inflammatory responses during sepsis. <i>PLoS ONE</i> , 2010 , 5, e13759	3.7	37
61	Rescue strategies for refractory hypoxemia: a critical appraisal. <i>F1000 Medicine Reports</i> , 2009 , 1,		2
60	Neurally adjusted ventilatory assist decreases ventilator-induced lung injury and non-pulmonary organ dysfunction in rabbits with acute lung injury. <i>Intensive Care Medicine</i> , 2009 , 35, 1979-89	14.5	55
59	A common haplotype of the LBP gene predisposes to severe sepsis. <i>Critical Care Medicine</i> , 2009 , 37, 2759-66	1.4	19
58	High-frequency percussive ventilation: an old mode with a great future. <i>Critical Care Medicine</i> , 2009 , 37, 1810-1	1.4	2
57	A common haplotype of the LBP gene predisposes to severe sepsis *. <i>Critical Care Medicine</i> , 2009 , 37, 2759-2766	1.4	20

56	Serum lipopolysaccharide binding protein levels predict severity of lung injury and mortality in patients with severe sepsis. <i>PLoS ONE</i> , 2009 , 4, e6818	3.7	46
55	Experimental ventilator-induced lung injury: exacerbation by positive end-expiratory pressure. <i>Anesthesiology</i> , 2009 , 110, 1341-7	4.3	32
54	IL6 gene-wide haplotype is associated with susceptibility to acute lung injury. <i>Translational Research</i> , 2008 , 152, 11-7	11	49
53	A quality assessment of genetic association studies supporting susceptibility and outcome in acute lung injury. <i>Critical Care</i> , 2008 , 12, R130	10.8	35
52	Incidence, organ dysfunction and mortality in severe sepsis: a Spanish multicentre study. <i>Critical Care</i> , 2008 , 12, R158	10.8	292
51	Oxygenation Indexes and Degrees of Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2008 , 177, 670-670	10.2	
50	Angiotensin-converting enzyme insertion/deletion polymorphism is not associated with susceptibility and outcome in sepsis and acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2008 , 34, 488-95	14.5	36
49	ACE insertion/deletion polymorphism in sepsis and acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2008 , 34, 1732-1732	14.5	
48	Genetic determinants of survival in sepsis and acute lung injury. <i>Minerva Anestesiologica</i> , 2008 , 74, 341-51.9	5.9	6
47	Evaluating an educational intervention to improve the accuracy of death certification among trainees from various specialties. <i>BMC Health Services Research</i> , 2007 , 7, 183	2.9	45
46	An early PEEP/FIO2 trial identifies different degrees of lung injury in patients with acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007 , 176, 795-804	10.2	215
45	A CXCL2 polymorphism is associated with better outcomes in patients with severe sepsis. <i>Critical Care Medicine</i> , 2007 , 35, 2292-7	1.4	20
44	A Short and Efficient Enantiomeric Synthesis of Antitumor Fused Tetrahydrofurans. <i>European Journal of Organic Chemistry</i> , 2006 , 2006, 1910-1916	3.2	8
43	Tyrosine phosphatase SHP-2 regulates IL-1 signaling in fibroblasts through focal adhesions. <i>Journal of Cellular Physiology</i> , 2006 , 207, 132-43	7	23
42	Prins-type synthesis and SAR study of cytotoxic alkyl chloro dihydropyrans. <i>ChemMedChem</i> , 2006 , 1, 323-37	3.7	62
41	Year in review 2005: Critical Care--respirology: mechanical ventilation, infection, monitoring, and education. <i>Critical Care</i> , 2006 , 10, 217	10.8	
40	Severe acute respiratory distress syndrome, leptospirosis, and lung protective strategies. <i>Critical Care Medicine</i> , 2006 , 34, 2704	1.4	
39	A high positive end-expiratory pressure, low tidal volume ventilatory strategy improves outcome in persistent acute respiratory distress syndrome: a randomized, controlled trial. <i>Critical Care Medicine</i> , 2006 , 34, 1311-8	1.4	532

38	High positive end-expiratory pressure, low tidal volume ventilatory strategy in persistent acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2006 , 34, 3061-3062	1.4	
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