

Arthur S Slutsky

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

357
papers

56,273
citations

98
h-index

234
g-index

401
ext. papers

69,248
ext. citations

12.2
avg, IF

7.88
L-index

#	Paper	IF	Citations
357	Acute respiratory distress syndrome: the Berlin Definition. <i>JAMA - Journal of the American Medical Association</i> , 2012 , 307, 2526-33	27.4	4919
356	A crucial role of angiotensin converting enzyme 2 (ACE2) in SARS coronavirus-induced lung injury. <i>Nature Medicine</i> , 2005 , 11, 875-9	50.5	2294
355	Epidemiology, Patterns of Care, and Mortality for Patients With Acute Respiratory Distress Syndrome in Intensive Care Units in 50 Countries. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 315, 788-800	27.4	2131
354	Angiotensin-converting enzyme 2 protects from severe acute lung failure. <i>Nature</i> , 2005 , 436, 112-6	50.4	1770
353	One-year outcomes in survivors of the acute respiratory distress syndrome. <i>New England Journal of Medicine</i> , 2003 , 348, 683-93	59.2	1635
352	Functional disability 5 years after acute respiratory distress syndrome. <i>New England Journal of Medicine</i> , 2011 , 364, 1293-304	59.2	1601
351	Ventilator-induced lung injury. <i>New England Journal of Medicine</i> , 2013 , 369, 2126-36	59.2	1515
350	Angiotensin-converting enzyme 2 (ACE2) as a SARS-CoV-2 receptor: molecular mechanisms and potential therapeutic target. <i>Intensive Care Medicine</i> , 2020 , 46, 586-590	14.5	1455
349	Inhibition of SARS-CoV-2 Infections in Engineered Human Tissues Using Clinical-Grade Soluble Human ACE2. <i>Cell</i> , 2020 , 181, 905-913.e7	56.2	1293
348	Effect of mechanical ventilation on inflammatory mediators in patients with acute respiratory distress syndrome: a randomized controlled trial. <i>JAMA - Journal of the American Medical Association</i> , 1999 , 282, 54-61	27.4	1261
347	Driving pressure and survival in the acute respiratory distress syndrome. <i>New England Journal of Medicine</i> , 2015 , 372, 747-55	59.2	1227
346	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
345	High-frequency oscillation in early acute respiratory distress syndrome. <i>New England Journal of Medicine</i> , 2013 , 368, 795-805	59.2	1028
344	Identification of oxidative stress and Toll-like receptor 4 signaling as a key pathway of acute lung injury. <i>Cell</i> , 2008 , 133, 235-49	56.2	965
343	Extracorporeal Membrane Oxygenation for Severe Acute Respiratory Distress Syndrome. <i>New England Journal of Medicine</i> , 2018 , 378, 1965-1975	59.2	940
342	Higher vs lower positive end-expiratory pressure in patients with acute lung injury and acute respiratory distress syndrome: systematic review and meta-analysis. <i>JAMA - Journal of the American Medical Association</i> , 2010 , 303, 865-73	27.4	845
341	Identification of severe acute respiratory syndrome in Canada. <i>New England Journal of Medicine</i> , 2003 , 348, 1995-2005	59.2	842

340	Ventilation strategy using low tidal volumes, recruitment maneuvers, and high positive end-expiratory pressure for acute lung injury and acute respiratory distress syndrome: a randomized controlled trial. <i>JAMA - Journal of the American Medical Association</i> , 2008 , 299, 637-45	27.4	833
339	The Berlin definition of ARDS: an expanded rationale, justification, and supplementary material. <i>Intensive Care Medicine</i> , 2012 , 38, 1573-82	14.5	788
338	Evaluation of a ventilation strategy to prevent barotrauma in patients at high risk for acute respiratory distress syndrome. Pressure- and Volume-Limited Ventilation Strategy Group. <i>New England Journal of Medicine</i> , 1998 , 338, 355-61	59.2	745
337	Titration and implementation of neurally adjusted ventilatory assist in critically ill patients. <i>Chest</i> , 2009 , 135, 695-703	5.3	709
336	Inspiratory muscle unloading by neurally adjusted ventilatory assist during maximal inspiratory efforts in healthy subjects. <i>Chest</i> , 2007 , 131, 711-717	5.3	706
335	An Official American Thoracic Society/European Society of Intensive Care Medicine/Society of Critical Care Medicine Clinical Practice Guideline: Mechanical Ventilation in Adult Patients with Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 1253-1263	10.2	674
334	Acute Respiratory Distress Syndrome: Advances in Diagnosis and Treatment. <i>JAMA - Journal of the American Medical Association</i> , 2018 , 319, 698-710	27.4	549
333	Tidal hyperinflation during low tidal volume ventilation in acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007 , 175, 160-6	10.2	545
332	Mesenchymal stem cells reduce inflammation while enhancing bacterial clearance and improving survival in sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2010 , 182, 1047-57	10.2	515
331	Mechanical Ventilation to Minimize Progression of Lung Injury in Acute Respiratory Failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 438-442	10.2	491
330	Injurious mechanical ventilation and end-organ epithelial cell apoptosis and organ dysfunction in an experimental model of acute respiratory distress syndrome. <i>JAMA - Journal of the American Medical Association</i> , 2003 , 289, 2104-12	27.4	490
329	Mechanical ventilation. American College of Chest Physicians' Consensus Conference. <i>Chest</i> , 1993 , 104, 1833-59	5.3	450
328	Future research directions in acute lung injury: summary of a National Heart, Lung, and Blood Institute working group. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003 , 167, 1027-35	10.2	430
327	Lung injury caused by mechanical ventilation. <i>Chest</i> , 1999 , 116, 9S-15S	5.3	419
326	Ventilator-induced lung injury: from the bench to the bedside. <i>Intensive Care Medicine</i> , 2006 , 32, 24-33	14.5	387
325	Effects of recruiting maneuvers in patients with acute respiratory distress syndrome ventilated with protective ventilatory strategy. <i>Anesthesiology</i> , 2002 , 96, 795-802	4.3	369
324	Sleep in critically ill patients requiring mechanical ventilation. <i>Chest</i> , 2000 , 117, 809-18	5.3	362
323	Lower tidal volume strategy (8 ml/kg) combined with extracorporeal CO2 removal versus 'conventional' protective ventilation (6 ml/kg) in severe ARDS: the prospective randomized Xtravent-study. <i>Intensive Care Medicine</i> , 2013 , 39, 847-56	14.5	349

322	Extracorporeal membrane oxygenation support in COVID-19: an international cohort study of the Extracorporeal Life Support Organization registry. <i>Lancet, The</i> , 2020 , 396, 1071-1078	40	333
321	Two-year outcomes, health care use, and costs of survivors of acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006 , 174, 538-44	10.2	330
320	Warm heart surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1991 , 101, 269-274	1.5	324
319	Critical care crisis and some recommendations during the COVID-19 epidemic in China. <i>Intensive Care Medicine</i> , 2020 , 46, 837-840	14.5	311
318	Pathophysiology of COVID-19-associated acute respiratory distress syndrome: a multicentre prospective observational study. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 1201-1208	35.1	293
317	Noninvasive Ventilation of Patients with Acute Respiratory Distress Syndrome. Insights from the LUNG SAFE Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 67-77	10.2	269
316	PAF-mediated pulmonary edema: a new role for acid sphingomyelinase and ceramide. <i>Nature Medicine</i> , 2004 , 10, 155-60	50.5	251
315	Pulmonary coagulopathy as a new target in therapeutic studies of acute lung injury or pneumonia: a review. <i>Critical Care Medicine</i> , 2006 , 34, 871-877	1.4	247
314	Critically ill patients with severe acute respiratory syndrome. <i>JAMA - Journal of the American Medical Association</i> , 2003 , 290, 367-73	27.4	233
313	Effect of a lung protective strategy for organ donors on eligibility and availability of lungs for transplantation: a randomized controlled trial. <i>JAMA - Journal of the American Medical Association</i> , 2010 , 304, 2620-7	27.4	230
312	Therapeutic Anticoagulation with Heparin in Critically Ill Patients with Covid-19. <i>New England Journal of Medicine</i> , 2021 , 385, 777-789	59.2	227
311	Induction of the heat shock response reduces mortality rate and organ damage in a sepsis-induced acute lung injury model. <i>Critical Care Medicine</i> , 1994 , 22, 917-921	1.4	226
310	COVID-19-associated acute respiratory distress syndrome: is a different approach to management warranted?. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 816-821	35.1	219
309	What tidal volumes should be used in patients without acute lung injury?. <i>Anesthesiology</i> , 2007 , 106, 1226-31	4.3	218
308	Ventilator-induced lung injury and multiple system organ failure: a critical review of facts and hypotheses. <i>Intensive Care Medicine</i> , 2004 , 30, 1865-72	14.5	215
307	One-Year Outcomes in Caregivers of Critically Ill Patients. <i>New England Journal of Medicine</i> , 2016 , 374, 1831-41	59.2	214
306	Extracorporeal Membrane Oxygenation for Severe Acute Respiratory Distress Syndrome and Posterior Probability of Mortality Benefit in a Post Hoc Bayesian Analysis of a Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2018 , 320, 2251-2259	27.4	208
305	Functional repair of human donor lungs by IL-10 gene therapy. <i>Science Translational Medicine</i> , 2009 , 1, 4ra9	17.5	203

304	Airway pressure-time curve profile (stress index) detects tidal recruitment/hyperinflation in experimental acute lung injury. <i>Critical Care Medicine</i> , 2004 , 32, 1018-27	1.4	203
303	Therapeutic Anticoagulation with Heparin in Noncritically Ill Patients with Covid-19. <i>New England Journal of Medicine</i> , 2021 , 385, 790-802	59.2	203
302	Human recombinant soluble ACE2 in severe COVID-19. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 1154-1158	35.1	199
301	Respiratory arrest in near-fatal asthma. <i>New England Journal of Medicine</i> , 1991 , 324, 285-8	59.2	196
300	CXCL10-CXCR3 enhances the development of neutrophil-mediated fulminant lung injury of viral and nonviral origin. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013 , 187, 65-77	10.2	178
299	The RECOVER Program: Disability Risk Groups and 1-Year Outcome after 7 or More Days of Mechanical Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 831-844	10.2	173
298	Mechanical ventilation and acute renal failure. <i>Critical Care Medicine</i> , 2005 , 33, 1408-15	1.4	171
297	Patient-ventilator interaction during neurally adjusted ventilatory assist in low birth weight infants. <i>Pediatric Research</i> , 2009 , 65, 663-8	3.2	167
296	The role of oxidative stress in adult critical care. <i>Free Radical Biology and Medicine</i> , 2006 , 40, 398-406	7.8	167
295	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
294	Lung injury in neonates: causes, strategies for prevention, and long-term consequences. <i>Journal of Pediatrics</i> , 2001 , 139, 478-86	3.6	164
293	Position paper for the organization of ECMO programs for cardiac failure in adults. <i>Intensive Care Medicine</i> , 2018 , 44, 717-729	14.5	162
292	Induction of heat stress proteins is associated with decreased mortality in an animal model of acute lung injury. <i>The American Review of Respiratory Disease</i> , 1993 , 147, 177-81		161
291	Sodium arsenite induces heat shock protein-72 kilodalton expression in the lungs and protects rats against sepsis. <i>Critical Care Medicine</i> , 1994 , 22, 922-9	1.4	161
290	The incidence of the adult respiratory distress syndrome. <i>The American Review of Respiratory Disease</i> , 1989 , 140, 814-6		161
289	One-year outcomes and health care utilization in survivors of severe acute respiratory syndrome. <i>Archives of Internal Medicine</i> , 2007 , 167, 1312-20		155
288	Potentially modifiable factors contributing to outcome from acute respiratory distress syndrome: the LUNG SAFE study. <i>Intensive Care Medicine</i> , 2016 , 42, 1865-1876	14.5	149
287	Partial liquid ventilation in adult patients with acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006 , 173, 882-9	10.2	148

286	Dose-response relationship and reproducibility of the fall in exhaled nitric oxide after inhaled beclomethasone dipropionate therapy in asthma patients. <i>Chest</i> , 2001 , 119, 1322-8	5.3	144
285	Extracorporeal Life Support for Adults With Respiratory Failure and Related Indications: A Review. <i>JAMA - Journal of the American Medical Association</i> , 2019 , 322, 557-568	27.4	142
284	Effects of cyclic opening and closing at low- and high-volume ventilation on bronchoalveolar lavage cytokines. <i>Critical Care Medicine</i> , 2004 , 32, 168-74	1.4	142
283	Alveolar dynamics in acute lung injury: heterogeneous distension rather than cyclic opening and collapse. <i>Critical Care Medicine</i> , 2009 , 37, 2604-11	1.4	136
282	Comparison of lung protection strategies using conventional and high-frequency oscillatory ventilation. <i>Journal of Applied Physiology</i> , 2001 , 91, 1836-44	3.7	136
281	The contribution of biophysical lung injury to the development of biotrauma. <i>Annual Review of Physiology</i> , 2006 , 68, 585-618	23.1	135
280	Impact of climate and public health interventions on the COVID-19 pandemic: a prospective cohort study. <i>Cmaj</i> , 2020 , 192, E566-E573	3.5	132
279	Injurious ventilation induces widespread pulmonary epithelial expression of tumor necrosis factor-alpha and interleukin-6 messenger RNA. <i>Critical Care Medicine</i> , 2002 , 30, 1693-700	1.4	126
278	Increased Nitric Oxide in Exhaled Gas as an Early Marker of Lung Inflammation in a Model of Sepsis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1995 , 151, 713-718	10.2	125
277	Oxygenation response to positive end-expiratory pressure predicts mortality in acute respiratory distress syndrome. A secondary analysis of the LOVS and ExPress trials. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 190, 70-6	10.2	124
276	Lung recruitment during small tidal volume ventilation allows minimal positive end-expiratory pressure without augmenting lung injury. <i>Critical Care Medicine</i> , 1999 , 27, 1940-5	1.4	119
275	Inhaled nitric oxide does not reduce mortality in patients with acute respiratory distress syndrome regardless of severity: systematic review and meta-analysis. <i>Critical Care Medicine</i> , 2014 , 42, 404-12	1.4	117
274	Lung-Kidney Cross-Talk in the Critically Ill Patient. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016 , 194, 402-14	10.2	114
273	ARDSNet lower tidal volume ventilatory strategy may generate intrinsic positive end-expiratory pressure in patients with acute respiratory distress syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2002 , 165, 1271-4	10.2	112
272	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 : Mechanical ventilation during ECMO. <i>Intensive Care Medicine</i> , 2016 , 42, 1672-1684	14.5	112
271	Biotrauma and Ventilator-Induced Lung Injury: Clinical Implications. <i>Chest</i> , 2016 , 150, 1109-1117	5.3	112
270	Effects of induced hypothermia in patients with septic adult respiratory distress syndrome. <i>Resuscitation</i> , 1993 , 26, 183-92	4	110
269	Lung protective strategies of ventilation in the neonate: what are they?. <i>Pediatrics</i> , 2000 , 105, 112-4	7.4	109

268	Tidal volume and frequency dependence of carbon dioxide elimination by high-frequency ventilation. <i>New England Journal of Medicine</i> , 1981 , 305, 1375-9	59.2	108
267	Acute respiratory distress syndrome: new definition, current and future therapeutic options. <i>Journal of Thoracic Disease</i> , 2013 , 5, 326-34	2.6	105
266	Mechanical Ventilation: State of the Art. <i>Mayo Clinic Proceedings</i> , 2017 , 92, 1382-1400	6.4	104
265	Combining high-frequency oscillatory ventilation and recruitment maneuvers in adults with early acute respiratory distress syndrome: the Treatment with Oscillation and an Open Lung Strategy (TOOLS) Trial pilot study. <i>Critical Care Medicine</i> , 2005 , 33, 479-86	1.4	104
264	Heat stress increases survival rates in lipopolysaccharide-stimulated rats. <i>Critical Care Medicine</i> , 1997 , 25, 1727-32	1.4	104
263	Lymphocytic airway infiltration as a precursor to fibrous obliteration in a rat model of bronchiolitis obliterans. <i>Transplantation</i> , 1997 , 64, 311-7	1.8	102
262	History of Mechanical Ventilation. From Vesalius to Ventilator-induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 191, 1106-15	10.2	98
261	Human neutrophil peptides induce interleukin-8 production through the P2Y6 signaling pathway. <i>Blood</i> , 2006 , 107, 2936-42	2.2	98
260	Development of a clinical definition for acute respiratory distress syndrome using the Delphi technique. <i>Journal of Critical Care</i> , 2005 , 20, 147-54	4	98
259	William J. Sibbald: In Memoriam. <i>Critical Care Medicine</i> , 2007 , 35, 1-2	1.4	97
258	Mechanical ventilation: lessons from the ARDSNet trial. <i>Respiratory Research</i> , 2000 , 1, 73-7	7.3	96
257	Influence of neurally adjusted ventilatory assist and positive end-expiratory pressure on breathing pattern in rabbits with acute lung injury. <i>Critical Care Medicine</i> , 2006 , 34, 2997-3004	1.4	93
256	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
255	Physiologic assessment of the ex vivo donor lung for transplantation. <i>Journal of Heart and Lung Transplantation</i> , 2012 , 31, 1120-6	5.8	90
254	Mechanical stress induces lung fibrosis by epithelial-mesenchymal transition. <i>Critical Care Medicine</i> , 2012 , 40, 510-7	1.4	89
253	Exhaled nitric oxide and bronchial reactivity during and after inhaled beclomethasone in mild asthma. <i>Journal of Asthma</i> , 1998 , 35, 473-9	1.9	89
252	Mechanical ventilation alters the immune response in children without lung pathology. <i>Intensive Care Medicine</i> , 2002 , 28, 486-92	14.5	86
251	Ventilation with small tidal volumes. <i>New England Journal of Medicine</i> , 2002 , 347, 630-1	59.2	83

250	Long-term follow-up of survivors of acute lung injury: lack of effect of a ventilation strategy to prevent barotrauma. <i>Critical Care Medicine</i> , 1999 , 27, 2616-21	1.4	81
249	Improved synchrony and respiratory unloading by neurally adjusted ventilatory assist (NAVA) in lung-injured rabbits. <i>Pediatric Research</i> , 2007 , 61, 289-94	3.2	80
248	Data safety and monitoring boards. <i>New England Journal of Medicine</i> , 2004 , 350, 1143-7	59.2	79
247	Ventilator-induced lung injury: from barotrauma to biotrauma. <i>Respiratory Care</i> , 2005 , 50, 646-59	2.1	77
246	Novel approaches to minimize ventilator-induced lung injury. <i>BMC Medicine</i> , 2013 , 11, 85	11.4	75
245	Diaphragmatic myotrauma: a mediator of prolonged ventilation and poor patient outcomes in acute respiratory failure. <i>Lancet Respiratory Medicine</i> , 2019 , 7, 90-98	35.1	74
244	Ventilator-induced lung injury. Similarity and differences between children and adults. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2014 , 190, 258-65	10.2	73
243	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, 2604-10	1.4	73
242	Mechanical stretch stimulates macrophage inflammatory protein-2 secretion from fetal rat lung cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000 , 279, L699-706	5.8	73
241	Neutrophil defensins mediate acute inflammatory response and lung dysfunction in dose-related fashion. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2001 , 280, L947-54	5.8	73
240	Neuroimmune regulation of ventilator-induced lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011 , 183, 471-82	10.2	72
239	Conventional mechanical ventilation is associated with bronchoalveolar lavage-induced activation of polymorphonuclear leukocytes: a possible mechanism to explain the systemic consequences of ventilator-induced lung injury in patients with ARDS. <i>Anesthesiology</i> , 2002 , 97, 1426-33	4.3	71
238	Production of tumour necrosis factor alpha by primary cultured rat alveolar epithelial cells. <i>Cytokine</i> , 2000 , 12, 644-54	4	69
237	Rapid reperfusion causes stress failure in ischemic rat lungs. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1998 , 116, 932-42	1.5	68
236	High-frequency oscillatory ventilation and ventilator-induced lung injury. <i>Critical Care Medicine</i> , 2005 , 33, S129-34	1.4	68
235	Respiratory mechanics in acute quadriplegia. Lung and chest wall compliance and dimensional changes during respiratory maneuvers. <i>The American Review of Respiratory Disease</i> , 1989 , 139, 615-20		67
234	Sleep apnea and systemic hypertension: a causal association review. <i>American Journal of Medicine</i> , 1991 , 91, 190-6	2.4	66
233	Neuroventilatory efficiency and extubation readiness in critically ill patients. <i>Critical Care</i> , 2012 , 16, R143	10.8	64

232	Subject-ventilator synchrony during neural versus pneumatically triggered non-invasive helmet ventilation. <i>Intensive Care Medicine</i> , 2008 , 34, 1615-23	14.5	64
231	Geo-economic variations in epidemiology, patterns of care, and outcomes in patients with acute respiratory distress syndrome: insights from the LUNG SAFE prospective cohort study. <i>Lancet Respiratory Medicine</i> , 2017 , 5, 627-638	35.1	63
230	Plasma levels of surfactant protein D and KL-6 for evaluation of lung injury in critically ill mechanically ventilated patients. <i>BMC Pulmonary Medicine</i> , 2010 , 10, 6	3.5	63
229	Decreased exhaled nitric oxide may be a marker of cardiopulmonary bypass-induced injury. <i>Annals of Thoracic Surgery</i> , 1998 , 66, 532-4	2.7	63
228	Respiratory support in patients with acute respiratory distress syndrome: an expert opinion. <i>Critical Care</i> , 2017 , 21, 240	10.8	62
227	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
226	Inflammation and the acute respiratory distress syndrome. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2004 , 18, 477-92	4	61
225	Effect of ventilator-induced lung injury on the development of reperfusion injury in a rat lung transplant model. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2002 , 124, 1137-44	1.5	60
224	Lung Repair and Regeneration in ARDS: Role of PECAM1 and Wnt Signaling. <i>Chest</i> , 2019 , 155, 587-594	5.3	60
223	Human neutrophil peptides: a novel potential mediator of inflammatory cardiovascular diseases. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2008 , 295, H1817-24	5.2	59
222	Role of oxidative stress in experimental sepsis and multisystem organ dysfunction. <i>Free Radical Research</i> , 2006 , 40, 665-72	4	59
221	Circadian rhythms: from basic mechanisms to the intensive care unit. <i>Critical Care Medicine</i> , 2012 , 40, 246-53	1.4	58
220	Mechanical ventilation may increase susceptibility to the development of bacteremia. <i>Critical Care Medicine</i> , 2003 , 31, 1429-34	1.4	58
219	Mechanical Stress and the Induction of Lung Fibrosis via the Midkine Signaling Pathway. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015 , 192, 315-23	10.2	57
218	Acute respiratory distress syndrome and multiple organ failure. <i>Current Opinion in Critical Care</i> , 2011 , 17, 1-6	3.5	56
217	Idiopathic pulmonary fibrosis--new insights. <i>New England Journal of Medicine</i> , 2007 , 356, 1370-2	59.2	56
216	Five percent albumin for adult burn shock resuscitation: lack of effect on daily multiple organ dysfunction score. <i>Transfusion</i> , 2006 , 46, 80-9	2.9	56
215	Clinical issues and research in respiratory failure from severe acute respiratory syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2005 , 171, 518-26	10.2	56

214	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
213	Temporary circulatory support for cardiogenic shock. <i>Lancet, The</i> , 2020 , 396, 199-212	4.0	56
212	Human alveolar epithelial type II cells in primary culture. <i>Physiological Reports</i> , 2015 , 3, e12288	2.6	55
211	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
210	The role for high flow nasal cannula as a respiratory support strategy in adults: a clinical practice guideline. <i>Intensive Care Medicine</i> , 2020 , 46, 2226-2237	14.5	55
209	Non-invasive neurally adjusted ventilatory assist in rabbits with acute lung injury. <i>Intensive Care Medicine</i> , 2008 , 34, 316-23	14.5	54
208	Biotrauma hypothesis of ventilator-induced lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004 , 169, 314-5; author reply 315	10.2	54
207	ECMO for ARDS: from salvage to standard of care?. <i>Lancet Respiratory Medicine, the</i> , 2019 , 7, 108-110	35.1	54
206	Not Just Oxygen? Mechanisms of Benefit from High-Flow Nasal Cannula in Hypoxemic Respiratory Failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017 , 195, 1128-1131	10.2	51
205	Molecular mechanisms of sex bias differences in COVID-19 mortality. <i>Critical Care</i> , 2020 , 24, 405	10.8	51
204	The fatality-prone asthmatic patient. Follow-up study after near-fatal attacks. <i>Chest</i> , 1992 , 101, 621-3	5.3	51
203	Reliable thirty-hour lung preservation by donor lung hyperinflation. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 1992 , 104, 1075-1083	1.5	50
202	Ischemia and reperfusion increases susceptibility to ventilator-induced lung injury in rats. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006 , 174, 178-86	10.2	49
201	The effect of low-potassium-dextran versus Euro-Collins solution for preservation of isolated type II pneumocytes. <i>Transplantation</i> , 1991 , 52, 621-6	1.8	49
200	A novel non-invasive method to detect excessively high respiratory effort and dynamic transpulmonary driving pressure during mechanical ventilation. <i>Critical Care</i> , 2019 , 23, 346	10.8	48
199	Modulation of bacterial growth by tumor necrosis factor-alpha in vitro and in vivo. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2003 , 168, 1462-70	10.2	48
198	Pulmonary surfactant is altered during mechanical ventilation of isolated rat lung. <i>Critical Care Medicine</i> , 2000 , 28, 2545-51	1.4	48
197	Amelioration of post-ischemic lung reperfusion injury by prostaglandin E1. <i>The American Review of Respiratory Disease</i> , 1993 , 148, 882-9		48

196	Immediate and delayed bronchoconstriction after exercise in patients with asthma. <i>New England Journal of Medicine</i> , 1987 , 317, 482-5	59.2	48
195	Partial liquid ventilation decreases serum tumor necrosis factor-alpha concentrations in a rat acid aspiration lung injury model. <i>Critical Care Medicine</i> , 2000 , 28, 479-83	1.4	48
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