

# Arthur S Slutsky

## List of Publications by Year in Descending Order

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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	COVID-19 ARDS: getting ventilation right - Authors' reply.. <i>Lancet, The</i> , <b>2022</b> , 399, 22-23	40	1
356	Effect of Moderate Hypothermia vs Normothermia on 30-Day Mortality in Patients With Cardiogenic Shock Receiving Venoarterial Extracorporeal Membrane Oxygenation: A Randomized Clinical Trial.. <i>JAMA - Journal of the American Medical Association</i> , <b>2022</b> , 327, 442-453	27.4	5
355	Association of PEEP and Lung Recruitment Selection Strategies with Mortality in Acute Respiratory Distress Syndrome: A Systematic Review and Network Meta-Analysis.. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2022</b> ,	10.2	3
354	Lung-Protective Ventilation Attenuates Mechanical Injury While Hypercapnia Attenuates Biological Injury in a Rat Model of Ventilator-Associated Lung Injury.. <i>Frontiers in Physiology</i> , <b>2022</b> , 13, 814968	4.6	0
353	The PANDORA Study: Prevalence and Outcome of Acute Hypoxemic Respiratory Failure in the Pre-COVID-19 Era. <b>2022</b> , 4, e0684		0
352	Human soluble ACE2 improves the effect of remdesivir in SARS-CoV-2 infection. <i>EMBO Molecular Medicine</i> , <b>2021</b> , 13, e13426	12	42
351	Complete countrywide mortality in COVID patients receiving ECMO in Germany throughout the first three waves of the pandemic. <i>Critical Care</i> , <b>2021</b> , 25, 413	10.8	7
350	Noninvasive respiratory support following extubation in critically ill adults: a systematic review and network meta-analysis. <i>Intensive Care Medicine</i> , <b>2021</b> , 1	14.5	1
349	High Flow Nasal Oxygen for Severe Hypoxemia: Oxygenation Response and Outcome in COVID-19 Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> ,	10.2	2
348	The consequences of neglecting to collect multisectoral data to monitor the COVID-19 pandemic. <i>Cmaj</i> , <b>2021</b> , 193, E1600	3.5	1
347	Media Portrayals of Outcomes After Extracorporeal Membrane Oxygenation. <i>JAMA Internal Medicine</i> , <b>2021</b> , 181, 391-394	11.5	4
346	A simple nomogram for predicting failure of non-invasive respiratory strategies in adults with COVID-19: a retrospective multicentre study. <i>The Lancet Digital Health</i> , <b>2021</b> , 3, e166-e174	14.4	13
345	Trends in COVID-19-related in-hospital mortality: lessons learned from nationwide samples. <i>Lancet Respiratory Medicine</i> , <b>2021</b> , 9, 322-324	35.1	10
344	Anticardiolipin and other antiphospholipid antibodies in critically ill COVID-19 positive and negative patients. <i>Annals of the Rheumatic Diseases</i> , <b>2021</b> , 80, 1236-1240	2.4	15
343	Effect of Lowering Vt on Mortality in Acute Respiratory Distress Syndrome Varies with Respiratory System Elastance. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> , 203, 1378-1385	10.2	33
342	A physiology-based mathematical model for the selection of appropriate ventilator controls for lung and diaphragm protection. <i>Journal of Clinical Monitoring and Computing</i> , <b>2021</b> , 35, 363-378	2	1
341	Pathophysiology of COVID-19-associated acute respiratory distress syndrome - Authors' reply. <i>Lancet Respiratory Medicine</i> , <b>2021</b> , 9, e5-e6	35.1	13

340	Clinical trials in critical care: can a Bayesian approach enhance clinical and scientific decision making?. <i>Lancet Respiratory Medicine,the</i> , <b>2021</b> , 9, 207-216	35.1	9
339	Gender-Based Differences in Outcomes Among Resuscitated Patients With Out-of-Hospital Cardiac Arrest. <i>Circulation</i> , <b>2021</b> , 143, 641-649	16.7	6
338	Validity of Empirical Estimates of the Ratio of Dead Space to Tidal Volume in ARDS. <i>Respiratory Care</i> , <b>2021</b> , 66, 559-565	2.1	0
337	A Gas-Powered, Patient-Responsive Automatic Resuscitator for Use in Acute Respiratory Failure: A Bench and Experimental Study. <i>Respiratory Care</i> , <b>2021</b> , 66, 366-377	2.1	2
336	Enabling a learning healthcare system with automated computer protocols that produce replicable and personalized clinician actions. <i>Journal of the American Medical Informatics Association: JAMIA</i> , <b>2021</b> , 28, 1330-1344	8.6	4
335	Biotrauma during ultra-low tidal volume ventilation and venoarterial extracorporeal membrane oxygenation in cardiogenic shock: a randomized crossover clinical trial. <i>Annals of Intensive Care</i> , <b>2021</b> , 11, 132	8.9	1
334	Therapeutic Anticoagulation with Heparin in Noncritically Ill Patients with Covid-19. <i>New England Journal of Medicine</i> , <b>2021</b> , 385, 790-802	59.2	203
333	Acute Cardiac Injury in Coronavirus Disease 2019 and Other Viral Infections-A Systematic Review and Meta-Analysis. <i>Critical Care Medicine</i> , <b>2021</b> , 49, 1558-1566	1.4	10
332	Ventilatory Variables and Mechanical Power in Patients with Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2021</b> , 204, 303-311	10.2	30
331	Therapeutic Anticoagulation with Heparin in Critically Ill Patients with Covid-19. <i>New England Journal of Medicine</i> , <b>2021</b> , 385, 777-789	59.2	227
330	Extracorporeal cardiopulmonary resuscitation in adults: evidence and implications. <i>Intensive Care Medicine</i> , <b>2021</b> , 1	14.5	11
329	Extracorporeal membrane oxygenation for COVID-19: evolving outcomes from the international Extracorporeal Life Support Organization Registry. <i>Lancet, The</i> , <b>2021</b> , 398, 1230-1238	40	48
328	Effect of Driving Pressure Change During Extracorporeal Membrane Oxygenation in Adults With Acute Respiratory Distress Syndrome: A Randomized Crossover Physiologic Study. <i>Critical Care Medicine</i> , <b>2020</b> , 48, 1771-1778	1.4	12
327	Current and evolving standards of care for patients with ARDS. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 2157-2167	14.5	24
326	Impact of climate and public health interventions on the COVID-19 pandemic: a prospective cohort study. <i>Cmaj</i> , <b>2020</b> , 192, E566-E573	3.5	132
325	Patterns and Impact of Arterial CO Management in Patients With Acute Respiratory Distress Syndrome: Insights From the LUNG SAFE Study. <i>Chest</i> , <b>2020</b> , 158, 1967-1982	5.3	6
324	The plasma peptides of sepsis. <i>Clinical Proteomics</i> , <b>2020</b> , 17, 26	5	5
323	Molecular mechanisms of sex bias differences in COVID-19 mortality. <i>Critical Care</i> , <b>2020</b> , 24, 405	10.8	51

322	COVID-19-associated acute respiratory distress syndrome: is a different approach to management warranted?. <i>Lancet Respiratory Medicine,the</i> , <b>2020</b> , 8, 816-821	35.1	219
321	Association of Low Baseline Diaphragm Muscle Mass With Prolonged Mechanical Ventilation and Mortality Among Critically Ill Adults. <i>JAMA Network Open</i> , <b>2020</b> , 3, e1921520	10.4	21
320	Critical care crisis and some recommendations during the COVID-19 epidemic in China. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 837-840	14.5	311
319	Angiotensin-converting enzyme 2 (ACE2) as a SARS-CoV-2 receptor: molecular mechanisms and potential therapeutic target. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 586-590	14.5	1455
318	Inhibition of SARS-CoV-2 Infections in Engineered Human Tissues Using Clinical-Grade Soluble Human ACE2. <i>Cell</i> , <b>2020</b> , 181, 905-913.e7	56.2	1293
317	Study protocol for a multicentre, prospective cohort study of the association of angiotensin II type 1 receptor blockers on outcomes of coronavirus infection. <i>BMJ Open</i> , <b>2020</b> , 10, e040768	3	3
316	Angiotensin-converting enzyme 2 (ACE2) as a SARS-CoV-2 receptor: molecular mechanisms and potential therapeutic target <b>2020</b> , 46, 586		1
315	Personalized Ventilation to Multiple Patients Using a Single Ventilator: Description and Proof of Concept <b>2020</b> , 2, e0118		9
314	Extracorporeal membrane oxygenation support in COVID-19: an international cohort study of the Extracorporeal Life Support Organization registry. <i>Lancet, The</i> , <b>2020</b> , 396, 1071-1078	40	333
313	Evaluation of PEEP and prone positioning in early COVID-19 ARDS. <i>EClinicalMedicine</i> , <b>2020</b> , 28, 100579	11.3	26
312	Temporary circulatory support for cardiogenic shock. <i>Lancet, The</i> , <b>2020</b> , 396, 199-212	40	56
311	The role for high flow nasal cannula as a respiratory support strategy in adults: a clinical practice guideline. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 2226-2237	14.5	55
310	Clinical features, ventilatory management, and outcome of ARDS caused by COVID-19 are similar to other causes of ARDS. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 2200-2211	14.5	166
309	ECMO for severe ARDS associated with COVID-19: now we know we can, but should we?. <i>Lancet Respiratory Medicine,the</i> , <b>2020</b> , 8, 1066-1068	35.1	14
308	Extracorporeal life support for adults with acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 2464-2476	14.5	40
307	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> , <b>2020</b> , 324, 1330-1341	27.4	1083
306	Human recombinant soluble ACE2 in severe COVID-19. <i>Lancet Respiratory Medicine,the</i> , <b>2020</b> , 8, 1154-1158	35.1	199
305	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> , <b>2020</b> , 21, 734	2.8	15

304	Pathophysiology of COVID-19-associated acute respiratory distress syndrome: a multicentre prospective observational study. <i>Lancet Respiratory Medicine,the</i> , <b>2020</b> , 8, 1201-1208	35.1	293
303	Anticipating and managing coagulopathy and thrombotic manifestations of severe COVID-19. <i>Cmaj</i> , <b>2020</b> , 192, E1156-E1161	3.5	19
302	Anti-Thrombotic Therapy to Ameliorate Complications of COVID-19 (ATTACC): Study design and methodology for an international, adaptive Bayesian randomized controlled trial. <i>Clinical Trials</i> , <b>2020</b> , 17, 491-500	2.2	33
301	Venoarterial extracorporeal membrane oxygenation to rescue sepsis-induced cardiogenic shock: a retrospective, multicentre, international cohort study. <i>Lancet, The</i> , <b>2020</b> , 396, 545-552	40	39
300	Prevention of viral transmission during lung transplantation with hepatitis C-viraemic donors: an open-label, single-centre, pilot trial. <i>Lancet Respiratory Medicine,the</i> , <b>2020</b> , 8, 192-201	35.1	45
299	Post Hoc Bayesian Analyses-Reply. <i>JAMA - Journal of the American Medical Association</i> , <b>2019</b> , 321, 1632-1637	16.3	17
298	Precision medicine for cell therapy in acute respiratory distress syndrome. <i>Lancet Respiratory Medicine,the</i> , <b>2019</b> , 7, e13	35.1	4
297	First tidal volume greater than 8mL/kg is associated with increased mortality in complicated influenza infection with acute respiratory distress syndrome. <i>Journal of the Formosan Medical Association</i> , <b>2019</b> , 118, 378-385	3.2	7
296	Determinants of the effect of extracorporeal carbon dioxide removal in the SUPERNOVA trial: implications for trial design. <i>Intensive Care Medicine</i> , <b>2019</b> , 45, 1219-1230	14.5	19
295	Extracorporeal Life Support for Adults With Respiratory Failure and Related Indications: A Review. <i>JAMA - Journal of the American Medical Association</i> , <b>2019</b> , 322, 557-568	27.4	142
294	Solving the Opioid Crisis: Respiratory Depression by Opioids as Critical End Point. <i>Chest</i> , <b>2019</b> , 156, 653-658	6.5	23
293	A novel non-invasive method to detect excessively high respiratory effort and dynamic transpulmonary driving pressure during mechanical ventilation. <i>Critical Care</i> , <b>2019</b> , 23, 346	10.8	48
292	Increased effort during partial ventilatory support is not associated with lung damage in experimental acute lung injury. <i>Intensive Care Medicine Experimental</i> , <b>2019</b> , 7, 60	3.7	4
291	The plasma peptides of breast versus ovarian cancer. <i>Clinical Proteomics</i> , <b>2019</b> , 16, 43	5	6
290	Should Patients With Acute Respiratory Distress Syndrome on Venovenous Extracorporeal Membrane Oxygenation Have Ventilatory Support Reduced to the Lowest Tolerable Settings? Yes. <i>Critical Care Medicine</i> , <b>2019</b> , 47, 1143-1146	1.4	2
289	Mechanical Ventilation in Acute Respiratory Distress Syndrome: Time Heals All Wounds, or Does It?. <i>Anesthesiology</i> , <b>2019</b> , 130, 680-682	4.3	1
288	Practice Patterns and Ethical Considerations in the Management of Venovenous Extracorporeal Membrane Oxygenation Patients: An International Survey. <i>Critical Care Medicine</i> , <b>2019</b> , 47, 1346-1355	1.4	17
287	Diaphragmatic myotrauma: a mediator of prolonged ventilation and poor patient outcomes in acute respiratory failure. <i>Lancet Respiratory Medicine,the</i> , <b>2019</b> , 7, 90-98	35.1	74

286	Pulmonary phagocyte-derived NPY controls the pathology of severe influenza virus infection. <i>Nature Microbiology</i> , <b>2019</b> , 4, 258-268	26.6	7
285	Lung Repair and Regeneration in ARDS: Role of PECAM1 and Wnt Signaling. <i>Chest</i> , <b>2019</b> , 155, 587-594	5.3	60
284	ECMO for ARDS: from salvage to standard of care?. <i>Lancet Respiratory Medicine</i> , <b>2019</b> , 7, 108-110	35.1	54
283	Acute Respiratory Distress Syndrome: Advances in Diagnosis and Treatment. <i>JAMA - Journal of the American Medical Association</i> , <b>2018</b> , 319, 698-710	27.4	549
282	Position paper for the organization of ECMO programs for cardiac failure in adults. <i>Intensive Care Medicine</i> , <b>2018</b> , 44, 717-729	14.5	162
281	Should basic science matter to clinicians?. <i>Lancet, The</i> , <b>2018</b> , 391, 410-412	4.0	6
280	Research in Extracorporeal Life Support: A Call to Action. <i>Chest</i> , <b>2018</b> , 153, 788-791	5.3	21
279	Extracorporeal organ support (ECOS) in critical illness and acute kidney injury: from native to artificial organ crosstalk. <i>Intensive Care Medicine</i> , <b>2018</b> , 44, 1447-1459	14.5	46
278	Reply to Morales-Quinteros et al.: Precision Medicine for Extracorporeal CO Removal for Acute Respiratory Distress Syndrome: CO Physiological Considerations. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2018</b> , 197, 1091-1092	10.2	
277	Distinctive Roles and Mechanisms of Human Neutrophil Peptides in Experimental Sepsis and Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , <b>2018</b> , 46, e921-e927	1.4	4
276	The plasma peptides of ovarian cancer. <i>Clinical Proteomics</i> , <b>2018</b> , 15, 41	5	20
275	The plasma peptidome. <i>Clinical Proteomics</i> , <b>2018</b> , 15, 39	5	11
274	Extracorporeal carbon dioxide removal for lowering the risk of mechanical ventilation: research questions and clinical potential for the future. <i>Lancet Respiratory Medicine</i> , <b>2018</b> , 6, 874-884	35.1	41
273	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> , <b>2018</b> , 320, 2251-2259	27.4	208
272	Practice of diagnosis and management of acute respiratory distress syndrome in mainland China: a cross-sectional study. <i>Journal of Thoracic Disease</i> , <b>2018</b> , 10, 5394-5404	2.6	11
271	Extracorporeal Membrane Oxygenation for Severe Acute Respiratory Distress Syndrome. <i>New England Journal of Medicine</i> , <b>2018</b> , 378, 1965-1975	59.2	940
270	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> , <b>2017</b> , 195, 1128-1131	10.2	51
269	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> , <b>2017</b> , 195, 1258-1263	10.2	674

268	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> , <b>2017</b> , 5, 627-638	35.1	63
267	Neural control of ventilation prevents both over-distension and de-recruitment of experimentally injured lungs. <i>Respiratory Physiology and Neurobiology</i> , <b>2017</b> , 237, 57-67	2.8	8
266	Mechanical Ventilation in Adults with Acute Respiratory Distress Syndrome. Summary of the Experimental Evidence for the Clinical Practice Guideline. <i>Annals of the American Thoracic Society</i> , <b>2017</b> , 14, S261-S270	4.7	27
265	Respiratory support in patients with acute respiratory distress syndrome: an expert opinion. <i>Critical Care</i> , <b>2017</b> , 21, 240	10.8	62
264	Mechanical Ventilation: State of the Art. <i>Mayo Clinic Proceedings</i> , <b>2017</b> , 92, 1382-1400	6.4	104
263	Applying Precision Medicine to Trial Design Using Physiology. Extracorporeal CO Removal for Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2017</b> , 196, 558-568	10.2	35
262	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> , <b>2017</b> , 195, 67-77	10.2	269
261	MicroRNA-19b Mediates Lung Epithelial-Mesenchymal Transition via Phosphatidylinositol-3,4,5-Trisphosphate 3-Phosphatase in Response to Mechanical Stretch. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2017</b> , 56, 11-19	5.7	12
260	Mechanical Ventilation to Minimize Progression of Lung Injury in Acute Respiratory Failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2017</b> , 195, 438-442	10.2	491
259	Acute Hypoxemic Respiratory Failure and ARDS <b>2016</b> , 1740-1760.e7		3
258	Potentially modifiable factors contributing to outcome from acute respiratory distress syndrome: the LUNG SAFE study. <i>Intensive Care Medicine</i> , <b>2016</b> , 42, 1865-1876	14.5	149
257	Lung-Kidney Cross-Talk in the Critically Ill Patient. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2016</b> , 194, 402-14	10.2	114
256	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> , <b>2016</b> , 315, 788-800	27.4	2131
255	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> , <b>2016</b> , 194, 831-844	10.2	173
254	Is basic science disappearing from medicine? The decline of biomedical research in the medical literature. <i>FASEB Journal</i> , <b>2016</b> , 30, 515-8	0.9	9
253	Neuromuscular Blocking Agent Cisatracurium Attenuates Lung Injury by Inhibition of Nicotinic Acetylcholine Receptor- $\alpha$ . <i>Anesthesiology</i> , <b>2016</b> , 124, 132-40	4.3	44
252	Multivariable fractional polynomial interaction to investigate continuous effect modifiers in a meta-analysis on higher versus lower PEEP for patients with ARDS. <i>BMJ Open</i> , <b>2016</b> , 6, e011148	3	9
251	Tsr Chemoreceptor Interacts With IL-8 Provoking E. coli Transmigration Across Human Lung Epithelial Cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 31087	4.9	4

250	One-Year Outcomes in Caregivers of Critically Ill Patients. <i>New England Journal of Medicine</i> , <b>2016</b> , 374, 1831-41	59.2	214
249	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> , <b>2016</b> , 42, 1672-1684	14.5	112
248	Biotrauma and Ventilator-Induced Lung Injury: Clinical Implications. <i>Chest</i> , <b>2016</b> , 150, 1109-1117	5.3	112
247	Assessment of patient-ventilator breath contribution during neurally adjusted ventilatory assist in patients with acute respiratory failure. <i>Critical Care</i> , <b>2015</b> , 19, 43	10.8	11
246	Mechanical Stress and the Induction of Lung Fibrosis via the Midkine Signaling Pathway. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2015</b> , 192, 315-23	10.2	57
245	History of Mechanical Ventilation. From Vesalius to Ventilator-induced Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2015</b> , 191, 1106-15	10.2	98
244	Prevalence of Body Mass Index Lower Than 16 Among Women in Low- and Middle-Income Countries. <i>JAMA - Journal of the American Medical Association</i> , <b>2015</b> , 314, 2164-71	27.4	24
243	Feasibility of neurally adjusted positive end-expiratory pressure in rabbits with early experimental lung injury. <i>BMC Anesthesiology</i> , <b>2015</b> , 15, 124	2.4	7
242	Altered Profile of Circulating Endothelial-Derived Microparticles in Ventilator-Induced Lung Injury. <i>Critical Care Medicine</i> , <b>2015</b> , 43, e551-9	1.4	19
241	Human alveolar epithelial type II cells in primary culture. <i>Physiological Reports</i> , <b>2015</b> , 3, e12288	2.6	55
240	Novel CO2 removal device driven by a renal-replacement system without hemofilter. A first step experimental validation. <i>Anaesthesia, Critical Care &amp; Pain Medicine</i> , <b>2015</b> , 34, 135-40	3	17
239	Driving pressure and survival in the acute respiratory distress syndrome. <i>New England Journal of Medicine</i> , <b>2015</b> , 372, 747-55	59.2	1227
238	Noninvasive respiratory support for acute respiratory failure-high flow nasal cannula oxygen or non-invasive ventilation?. <i>Journal of Thoracic Disease</i> , <b>2015</b> , 7, 1092-7	2.6	12
237	Current concepts of protective ventilation during general anaesthesia. <i>Swiss Medical Weekly</i> , <b>2015</b> , 145, w14211	3.1	10
236	Ventilator-induced lung injury. Similarity and differences between children and adults. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2014</b> , 190, 258-65	10.2	73
235	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> , <b>2014</b> , 190, 70-6	10.2	124
234	Lung protection during non-invasive synchronized assist versus volume control in rabbits. <i>Critical Care</i> , <b>2014</b> , 18, R22	10.8	12
233	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> , <b>2014</b> , 42, 404-12	1.4	117



232	Early activation of pro-fibrotic WNT5A in sepsis-induced acute lung injury. <i>Critical Care</i> , <b>2014</b> , 18, 568	10.8	38
231	Year in review 2013: Critical Care--respirology. <i>Critical Care</i> , <b>2014</b> , 18, 577	10.8	1
230	Mechanical ventilation-associated lung fibrosis in acute respiratory distress syndrome: a significant contributor to poor outcome. <i>Anesthesiology</i> , <b>2014</b> , 121, 189-98	4.3	92
229	Novel approaches to minimize ventilator-induced lung injury. <i>BMC Medicine</i> , <b>2013</b> , 11, 85	11.4	75
228	Ventilator-induced lung injury. <i>New England Journal of Medicine</i> , <b>2013</b> , 369, 2126-36	59.2	1515
227	Year in review 2012: Critical Care--Respirology. <i>Critical Care</i> , <b>2013</b> , 17, 249	10.8	
226	High-frequency oscillation in early acute respiratory distress syndrome. <i>New England Journal of Medicine</i> , <b>2013</b> , 368, 795-805	59.2	1028
225	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> , <b>2013</b> , 39, 847-56	14.5	349
224	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> , <b>2013</b> , 187, 65-77	10.2	178
223	Accuracy of plateau pressure and stress index to identify injurious ventilation in patients with acute respiratory distress syndrome. <i>Anesthesiology</i> , <b>2013</b> , 119, 880-9	4.3	45
222	Intensive care unit-acquired bacteremia in mechanically ventilated patients: clinical features and outcomes. <i>PLoS ONE</i> , <b>2013</b> , 8, e83298	3.7	15
221	Acute respiratory distress syndrome: new definition, current and future therapeutic options. <i>Journal of Thoracic Disease</i> , <b>2013</b> , 5, 326-34	2.6	105
220	The Berlin definition of ARDS: an expanded rationale, justification, and supplementary material. <i>Intensive Care Medicine</i> , <b>2012</b> , 38, 1573-82	14.5	788
219	Neuroventilatory efficiency and extubation readiness in critically ill patients. <i>Critical Care</i> , <b>2012</b> , 16, R143	10.8	64
218	Invasive Mechanical Ventilation <b>2012</b> , 406-430		1
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214	Assessment of patient-ventilator breath contribution during neurally adjusted ventilatory assist. <i>Intensive Care Medicine</i> , <b>2012</b> , 38, 1224-32	14.5	22
213	Ventilator-induced lung injury: from the bench to the bedside <b>2012</b> , 343-352		7
212	Circadian rhythms: from basic mechanisms to the intensive care unit. <i>Critical Care Medicine</i> , <b>2012</b> , 40, 246-53	1.4	58
211	Mechanical stress induces lung fibrosis by epithelial-mesenchymal transition. <i>Critical Care Medicine</i> , <b>2012</b> , 40, 510-7	1.4	89
210	Ventilator-induced lung injury, cytokines, PEEP, and mortality: implications for practice and for clinical trials <b>2012</b> , 347-350		
209	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> , <b>2011</b> , 6, e14623	3.7	62
208	Functional disability 5 years after acute respiratory distress syndrome. <i>New England Journal of Medicine</i> , <b>2011</b> , 364, 1293-304	59.2	1601
207	Year in review 2010: Critical Care--Respirology. <i>Critical Care</i> , <b>2011</b> , 15, 240	10.8	
206	Physiologic and biologic characteristics of three experimental models of acute lung injury in rats. <i>Anesthesia and Analgesia</i> , <b>2011</b> , 112, 1139-46	3.9	10
205	Acute respiratory distress syndrome and multiple organ failure. <i>Current Opinion in Critical Care</i> , <b>2011</b> , 17, 1-6	3.5	56
204	High tidal volume mechanical ventilation-induced lung injury in rats is greater after acid instillation than after sepsis-induced acute lung injury, but does not increase systemic inflammation: an experimental study. <i>BMC Anesthesiology</i> , <b>2011</b> , 11, 26	2.4	23
203	Human neutrophil peptides mediate endothelial-monocyte interaction, foam cell formation, and platelet activation. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2011</b> , 31, 2070-9	9.4	42
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201	Characterization of neural breathing pattern in spontaneously breathing preterm infants. <i>Pediatric Research</i> , <b>2011</b> , 70, 607-13	3.2	44
200	Activation of the Wnt/ $\beta$ -catenin signaling pathway by mechanical ventilation is associated with ventilator-induced pulmonary fibrosis in healthy lungs. <i>PLoS ONE</i> , <b>2011</b> , 6, e23914	3.7	56
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197	Activating transcription factor 3 confers protection against ventilator-induced lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2010</b> , 182, 489-500	10.2	40

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193	Ventilatory support for acute respiratory failure: new and ongoing pathophysiological, diagnostic and therapeutic developments. <i>Current Opinion in Critical Care</i> , <b>2010</b> , 16, 1-7	3.5	16
192	Mechanical ventilation modulates Toll-like receptor signaling pathway in a sepsis-induced lung injury model. <i>Intensive Care Medicine</i> , <b>2010</b> , 36, 1049-57	14.5	40
191	Adaptive support ventilation versus conventional ventilation for total ventilatory support in acute respiratory failure. <i>Intensive Care Medicine</i> , <b>2010</b> , 36, 1371-9	14.5	31
190	Pulmonary-derived phosphoinositide 3-kinase gamma (PI3K $\gamma$ ) contributes to ventilator-induced lung injury and edema. <i>Intensive Care Medicine</i> , <b>2010</b> , 36, 1935-45	14.5	26
189	Mechanical ventilation modulates TLR4 and IRAK-3 in a non-infectious, ventilator-induced lung injury model. <i>Respiratory Research</i> , <b>2010</b> , 11, 27	7.3	33
188	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> , <b>2010</b> , 10, 6	3.5	63
187	Human neutrophil peptides and phagocytic deficiency in bronchiectatic lungs. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2009</b> , 180, 159-66	10.2	38
186	Patient-ventilator interaction during neurally adjusted ventilatory assist in low birth weight infants. <i>Pediatric Research</i> , <b>2009</b> , 65, 663-8	3.2	167
185	Physiological response to increasing levels of neurally adjusted ventilatory assist (NAVA). <i>Respiratory Physiology and Neurobiology</i> , <b>2009</b> , 166, 117-24	2.8	44
184	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> , <b>2009</b> , 35, 1979-89	14.5	55
183	Functional repair of human donor lungs by IL-10 gene therapy. <i>Science Translational Medicine</i> , <b>2009</b> , 1, 4ra9	17.5	203
182	Ventilator-induced lung injury: from the bench to the bedside <b>2009</b> , 429-438		
181	Protective effects of adenosine A2A receptor agonist in ventilator-induced lung injury in rats. <i>Critical Care Medicine</i> , <b>2009</b> , 37, 2235-41	1.4	11
180	Alveolar dynamics in acute lung injury: heterogeneous distension rather than cyclic opening and collapse. <i>Critical Care Medicine</i> , <b>2009</b> , 37, 2604-11	1.4	136
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168	Subject-ventilator synchrony during neural versus pneumatically triggered non-invasive helmet ventilation. <i>Intensive Care Medicine</i> , <b>2008</b> , 34, 1615-23	14.5	64
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166	Invasive Mechanical Ventilation <b>2008</b> , 231-256		
165	Ventilator-Induced Lung Injury <b>2008</b> , 615-623		
164	Cytokine Release <b>2008</b> , 216-224		1
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159	Plateau Pressures in the ARDSnet Protocol: Cause of Injury or Indication of Disease?. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2007</b> , 176, 100-101	10.2	2
158	Improved synchrony and respiratory unloading by neurally adjusted ventilatory assist (NAVA) in lung-injured rabbits. <i>Pediatric Research</i> , <b>2007</b> , 61, 289-94	3.2	80
157	William J. Sibbald: In Memoriam. <i>Critical Care Medicine</i> , <b>2007</b> , 35, 1-2	1.4	97
156	One-year outcomes and health care utilization in survivors of severe acute respiratory syndrome. <i>Archives of Internal Medicine</i> , <b>2007</b> , 167, 1312-20		155
155	Idiopathic pulmonary fibrosis--new insights. <i>New England Journal of Medicine</i> , <b>2007</b> , 356, 1370-2	59.2	56
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152	The role of oxidative stress in adult critical care. <i>Free Radical Biology and Medicine</i> , <b>2006</b> , 40, 398-406	7.8	167
151	Pressure Increase Due to Hydrostatic Pressure of Perfluorocarbon. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2006</b> , 173, 1046a-1047	10.2	
150	Ischemia and reperfusion increases susceptibility to ventilator-induced lung injury in rats. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2006</b> , 174, 178-86	10.2	49
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148	Why Partial Liquid Ventilation Did Not Fulfill Its Promise. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2006</b> , 174, 615a-616	10.2	0
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144	Assisted spontaneous breathing during early acute lung injury. <i>Critical Care</i> , <b>2006</b> , 10, 102	10.8	10
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140	Negative Studies Deserve More Attention. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2006</b> , 173, 1415-1415	10.2	1
139	Pulmonary coagulopathy as a new target in therapeutic studies of acute lung injury or pneumonia: A review. <i>Critical Care Medicine</i> , <b>2006</b> , 34, 871-877	1.4	247
138	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> , <b>2006</b> , 34, 2997-3004	1.4	93
137	Five percent albumin for adult burn shock resuscitation: lack of effect on daily multiple organ dysfunction score. <i>Transfusion</i> , <b>2006</b> , 46, 80-9	2.9	56
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135	Reply to the comment by Dr. Jardin on "Ventilator-induced lung injury: from the bench to the bedside" <i>Intensive Care Medicine</i> , <b>2006</b> , 32, 1279-1280	14.5	1
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133	Ventilator-induced lung injury: from the bench to the bedside <b>2006</b> , 357-366		4
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116	Ventilator-induced lung injury and multiple system organ failure: a critical review of facts and hypotheses. <i>Intensive Care Medicine</i> , <b>2004</b> , 30, 1865-72	14.5	215
115	Protective ventilation of patients with acute respiratory distress syndrome. <i>Critical Care</i> , <b>2004</b> , 8, 145-7	10.8	27
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113	Effects of cyclic opening and closing at low- and high-volume ventilation on bronchoalveolar lavage cytokines. <i>Critical Care Medicine</i> , <b>2004</b> , 32, 168-74	1.4	142
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107	Effects of albumin and Ringer's lactate on production of lung cytokines and hydrogen peroxide after resuscitated hemorrhage and endotoxemia in rats. <i>Critical Care Medicine</i> , <b>2003</b> , 31, 1515-22	1.4	43

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90	Injurious ventilation induces widespread pulmonary epithelial expression of tumor necrosis factor-alpha and interleukin-6 messenger RNA. <i>Critical Care Medicine</i> , <b>2002</b> , 30, 1693-700	1.4	126
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86	From bench to bedside: bacterial growth and cytokines. <i>Critical Care</i> , <b>2002</b> , 6, 4-6	10.8	7
85	Ventilation with small tidal volumes. <i>New England Journal of Medicine</i> , <b>2002</b> , 347, 630-1	59.2	83
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83	Hot new therapy for sepsis and the acute respiratory distress syndrome. <i>Journal of Clinical Investigation</i> , <b>2002</b> , 110, 737-9	15.9	5
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16	Respiratory arrest in near-fatal asthma. <i>New England Journal of Medicine</i> , <b>1991</b> , 324, 285-8	59.2	196
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