Arthur S Slutsky

List of Publications by Year
in descending order

390 papers	79,220 citations	1368 108 h-index	470 271 g-index
401 all docs	401 docs citations	401 times ranked	56092 citing authors

#	Article	IF	Citations
1	Acute Respiratory Distress Syndrome. JAMA - Journal of the American Medical Association, 2012, 307, 2526-33.	3.8	6,995
2	Epidemiology, Patterns of Care, and Mortality for Patients With Acute Respiratory Distress Syndrome in Intensive Care Units in 50 Countries. JAMA - Journal of the American Medical Association, 2016, 315, 788.	3.8	3,568
3	A crucial role of angiotensin converting enzyme 2 (ACE2) in SARS coronavirusâ€“induced lung injury. Nature Medicine, 2005, 11, 875-879.	15.2	2,986
4	Angiotensin-converting enzyme 2 protects from severe acute lung failure. Nature, 2005, 436, 112-116.	13.7	2,264
5	Functional Disability 5 Years after Acute Respiratory Distress Syndrome. New England Journal of Medicine, 2011, 364, 1293-1304.	13.9	2,228
6	One-Year Outcomes in Survivors of the Acute Respiratory Distress Syndrome. New England Journal of Medicine, 2003, 348, 683-693.	13.9	2,073
7	Angiotensin-converting enzyme 2 (ACE2) as a SARS-CoV-2 receptor: molecular mechanisms and potential therapeutic target. Intensive Care Medicine, 2020, 46, 586-590.	3.9	2,071
8	Ventilator-Induced Lung Injury. New England Journal of Medicine, 2013, 369, 2126-2136.	13.9	2,030
9	Driving Pressure and Survival in the Acute Respiratory Distress Syndrome. New England Journal of Medicine, 2015, 372, 747-755.	13.9	1,905
10	Association Between Administration of Systemic Corticosteroids and Mortality Among Critically Ill Patients With COVID-19. JAMA - Journal of the American Medical Association, 2020, 324, 1330.	3.8	1,855
11	Inhibition of SARS-CoV-2 Infections in Engineered Human Tissues Using Clinical-Grade Soluble Human ACE2. Cell, 2020, 181, 905-913.e7.	13.5	1,827
12	Effect of Mechanical Ventilation on Inflammatory Mediators in Patients With Acute Respiratory Distress Syndrome. JAMA - Journal of the American Medical Association, 1999, 282, 54.	3.8	1,605
13	Extracorporeal Membrane Oxygenation for Severe Acute Respiratory Distress Syndrome. New England Journal of Medicine, 2018, 378, 1965-1975.	13.9	1,563
14	High-Frequency Oscillation in Early Acute Respiratory Distress Syndrome. New England Journal of Medicine, 2013, 368, 795-805.	13.9	1,209
15	Higher vs Lower Positive End-Expiratory Pressure in Patients With Acute Lung Injury and Acute Respiratory Distress Syndrome. JAMA - Journal of the American Medical Association, 2010, 303, 865.	3.8	1,192
16	Identification of Oxidative Stress and Toll-like Receptor 4 Signaling as a Key Pathway of Acute Lung Injury. Cell, 2008, 133, 235-249.	13.5	1,164
17	Ventilation Strategy Using Low Tidal Volumes, Recruitment Maneuvers, and High Positive End-Expiratory Pressure for Acute Lung Injury and Acute Respiratory Distress Syndrome. JAMA - Journal of the American Medical Association, 2008, 299, 637.	3.8	1,148
18	The Berlin definition of ARDS: an expanded rationale, justification, and supplementary material. Intensive Care Medicine, 2012, 38, 1573-1582.	3.9	1,112

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19	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. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1253-1263.	2.5	1,104
20	Identification of Severe Acute Respiratory Syndrome in Canada. New England Journal of Medicine, 2003, 348, 1995-2005.	13.9	1,009
21	Acute Respiratory Distress Syndrome. JAMA - Journal of the American Medical Association, 2018, 319, 698.	3.8	983
22	Evaluation of a Ventilation Strategy to Prevent Barotrauma in Patients at High Risk for Acute Respiratory Distress Syndrome. New England Journal of Medicine, 1998, 338, 355-361.	13.9	899
23	Mechanical Ventilation to Minimize Progression of Lung Injury in Acute Respiratory Failure. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 438-442.	2.5	846
24	Therapeutic Anticoagulation with Heparin in Noncritically Ill Patients with Covid-19. New England Journal of Medicine, 2021, 385, 790-802.	13.9	778
25	Titration and Implementation of Neurally Adjusted Ventilatory Assist in Critically Ill Patients. Chest, 2009, 135, 695-703.	0.4	736
26	Inspiratory Muscle Unloading by Neurally Adjusted Ventilatory Assist During Maximal Inspiratory Efforts in Healthy Subjects. Chest, 2007, 131, 711-717.	0.4	729
27	Therapeutic Anticoagulation with Heparin in Critically Ill Patients with Covid-19. New England Journal of Medicine, 2021, 385, 777-789.	13.9	712
28	Tidal Hyperinflation during Low Tidal Volume Ventilation in Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2007, 175, 160-166.	2.5	699
29	Extracorporeal membrane oxygenation support in COVID-19: an international cohort study of the Extracorporeal Life Support Organization registry. Lancet, The, 2020, 396, 1071-1078.	6.3	656
30	Mesenchymal Stem Cells Reduce Inflammation while Enhancing Bacterial Clearance and Improving Survival in Sepsis. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 1047-1057.	2.5	622
31	Injurious Mechanical Ventilation and End-Organ Epithelial Cell Apoptosis and Organ Dysfunction in an Experimental Model of Acute Respiratory Distress Syndrome. JAMA - Journal of the American Medical Association, 2003, 289, 2104.	3.8	604
32	Mechanical Ventilation. Chest, 1993, 104, 1833-1859.	0.4	540
33	Lung Injury Caused by Mechanical Ventilation. Chest, 1999, 116, 9S-15S.	0.4	524
34	Pathophysiology of COVID-19-associated acute respiratory distress syndrome: a multicentre prospective observational study. Lancet Respiratory Medicine,the, 2020, 8, 1201-1208.	5.2	516
35	Future Research Directions in Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2003, 167, 1027-1035.	2.5	489
36	Lower tidal volume strategy (â‰ˆ3Âml/kg) combined with extracorporeal CO2 removal versus â€˜conventionalâ€™ protective ventilation (6Âml/kg) in severe ARDS. Intensive Care Medicine, 2013, 39, 847-856.	3.9	474

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37	Ventilator-induced lung injury: from the bench to the bedside. Intensive Care Medicine, 2006, 32, 24-33.	3.9	464
38	Effects of Recruiting Maneuvers in Patients with Acute Respiratory Distress Syndrome Ventilated with Protective Ventilatory Strategy. Anesthesiology, 2002, 96, 795-802.	1.3	462
39	Critical care crisis and some recommendations during the COVID-19 epidemic in China. Intensive Care Medicine, 2020, 46, 837-840.	3.9	459
40	Noninvasive Ventilation of Patients with Acute Respiratory Distress Syndrome. Insights from the LUNG SAFE Study. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 67-77.	2.5	456
41	Sleep in Critically Ill Patients Requiring Mechanical Ventilation. Chest, 2000, 117, 809-818.	0.4	426
42	Two-Year Outcomes, Health Care Use, and Costs of Survivors of Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2006, 174, 538-544.	2.5	405
43	COVID-19-associated acute respiratory distress syndrome: is a different approach to management warranted?. Lancet Respiratory Medicine,the, 2020, 8, 816-821.	5.2	375
44	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. JAMA - Journal of the American Medical Association, 2018, 320, 2251.	3.8	367
45	Human recombinant soluble ACE2 in severe COVID-19. Lancet Respiratory Medicine,the, 2020, 8, 1154-1158.	5.2	340
46	Warm heart surgery. Journal of Thoracic and Cardiovascular Surgery, 1991, 101, 269-274.	0.4	338
47	Effect of a Lung Protective Strategy for Organ Donors on Eligibility and Availability of Lungs for Transplantation. JAMA - Journal of the American Medical Association, 2010, 304, 2620.	3.8	307
48	One-Year Outcomes in Caregivers of Critically Ill Patients. New England Journal of Medicine, 2016, 374, 1831-1841.	13.9	301
49	Clinical features, ventilatory management, and outcome of ARDS caused by COVID-19 are similar to other causes of ARDS. Intensive Care Medicine, 2020, 46, 2200-2211.	3.9	295
50	Induction of the heat shock response reduces mortality rate and organ damage in a sepsis-induced acute lung injury model. Critical Care Medicine, 1994, 22, 917-921.	0.4	292
51	Critically Ill Patients With Severe Acute Respiratory Syndrome. JAMA - Journal of the American Medical Association, 2003, 290, 367.	3.8	290
52	Pulmonary coagulopathy as a new target in therapeutic studies of acute lung injury or pneumoniaâ€"A review. Critical Care Medicine, 2006, 34, 871-877.	0.4	281
53	PAF-mediated pulmonary edema: a new role for acid sphingomyelinase and ceramide. Nature Medicine, 2004, 10, 155-160.	15.2	276
54	The RECOVER Program: Disability Risk Groups and 1-Year Outcome after 7 or More Days of Mechanical Ventilation. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 831-844.	2.5	272

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55	Ventilator-induced lung injury and multiple system organ failure: a critical review of facts and hypotheses. Intensive Care Medicine, 2004, 30, 1865-1872.	3.9	264
56	What Tidal Volumes Should Be Used in Patients without Acute Lung Injury?. Anesthesiology, 2007, 106, 1226-1231.	1.3	263
57	Airway pressure-time curve profile (stress index) detects tidal recruitment/hyperinflation in experimental acute lung injury. Critical Care Medicine, 2004, 32, 1018-1027.	0.4	261
58	Functional Repair of Human Donor Lungs by IL-10 Gene Therapy. Science Translational Medicine, 2009, 1, 4ra9.	5.8	258
59	Extracorporeal membrane oxygenation for COVID-19: evolving outcomes from the international Extracorporeal Life Support Organization Registry. Lancet, The, 2021, 398, 1230-1238.	6.3	257
60	Extracorporeal Life Support for Adults With Respiratory Failure and Related Indications. JAMA - Journal of the American Medical Association, 2019, 322, 557.	3.8	251
61	CXCL10-CXCR3 Enhances the Development of Neutrophil-mediated Fulminant Lung Injury of Viral and Nonviral Origin. American Journal of Respiratory and Critical Care Medicine, 2013, 187, 65-77.	2.5	248
62	Potentially modifiable factors contributing to outcome from acute respiratory distress syndrome: the LUNG SAFE study. Intensive Care Medicine, 2016, 42, 1865-1876.	3.9	247
63	One-Year Outcomes and Health Care Utilization in Survivors of Severe Acute Respiratory Syndrome. Archives of Internal Medicine, 2007, 167, 1312.	4.3	244
64	Position paper for the organization of ECMO programs for cardiac failure in adults. Intensive Care Medicine, 2018, 44, 717-729.	3.9	230
65	Respiratory Arrest in near-Fatal Asthma. New England Journal of Medicine, 1991, 324, 285-288.	13.9	229
66	Mechanical ventilation and acute renal failure*. Critical Care Medicine, 2005, 33, 1408-1415.	0.4	215
67	Ventilator-induced lung injury:from the bench to the bedside. , 2009, , 429-438.		210
68	Lung injury in neonates: Causes, strategies for prevention, and long-term consequences. Journal of Pediatrics, 2001, 139, 478-486.	0.9	196
69	Patient-Ventilator Interaction During Neurally Adjusted Ventilatory Assist in Low Birth Weight Infants. Pediatric Research, 2009, 65, 663-668.	1.1	195
70	Impact of climate and public health interventions on the COVID-19 pandemic: a prospective cohort study. Cmaj, 2020, 192, E566-E573.	0.9	192
71	Mechanical Ventilation: State of the Art. Mayo Clinic Proceedings, 2017, 92, 1382-1400.	1.4	191
72	The Incidence of the Adult Respiratory Distress Syndrome. The American Review of Respiratory Disease, 1989, 140, 814-816.	2.9	186

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73	The role of oxidative stress in adult critical care. Free Radical Biology and Medicine, 2006, 40, 398-406.	1.3	186
74	The role for high flow nasal cannula as a respiratory support strategy in adults: a clinical practice guideline. Intensive Care Medicine, 2020, 46, 2226-2237.	3.9	185
75	Lungâ€"Kidney Cross-Talk in the Critically Ill Patient. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 402-414.	2.5	181
76	Partial Liquid Ventilation in Adult Patients with Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2006, 173, 882-889.	2.5	177
77	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. Intensive Care Medicine, 2016, 42, 1672-1684.	3.9	176
78	Biotrauma and Ventilator-Induced LungÂInjury. Chest, 2016, 150, 1109-1117.	0.4	176
79	Effects of cyclic opening and closing at low- and high-volume ventilation on bronchoalveolar lavage cytokines*. Critical Care Medicine, 2004, 32, 168-174.	0.4	173
80	Induction of Heat Stress Proteins Is Associated with Decreased Mortality in an Animal Model of Acute Lung Injury. The American Review of Respiratory Disease, 1993, 147, 177-181.	2.9	170
81	Neuromuscular Blocking Agents in ARDS. New England Journal of Medicine, 2010, 363, 1176-1180.	13.9	170
82	Sodium arsenite induces heat shock protein-72 kilodalton expression in the lungs and protects rats against sepsis. Critical Care Medicine, 1994, 22, 922-929.	0.4	166
83	Comparison of lung protection strategies using conventional and high-frequency oscillatory ventilation. Journal of Applied Physiology, 2001, 91, 1836-1844.	1.2	166
84	Acute respiratory distress syndrome: new definition, current and future therapeutic options. Journal of Thoracic Disease, 2013, 5, 326-34.	0.6	166
85	Inhaled Nitric Oxide Does Not Reduce Mortality in Patients With Acute Respiratory Distress Syndrome Regardless of Severity. Critical Care Medicine, 2014, 42, 404-412.	0.4	164
86	Dose-Response Relationship and Reproducibility of the Fall in Exhaled Nitric Oxide After Inhaled Beclomethasone Dipropionate Therapy in Asthma Patients. Chest, 2001, 119, 1322-1328.	0.4	160
87	Alveolar dynamics in acute lung injury: Heterogeneous distension rather than cyclic opening and collapse*. Critical Care Medicine, 2009, 37, 2604-2611.	0.4	160
88	Oxygenation Response to Positive End-Expiratory Pressure Predicts Mortality in Acute Respiratory Distress Syndrome. A Secondary Analysis of the LOVS and ExPress Trials. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 70-76.	2.5	160
89	THE CONTRIBUTION OF BIOPHYSICAL LUNG INJURY TO THE DEVELOPMENT OF BIOTRAUMA. Annual Review of Physiology, 2006, 68, 585-618.	5.6	152
90	Ventilatory Variables and Mechanical Power in Patients with Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 303-311.	2.5	148

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91	Injurious ventilation induces widespread pulmonary epithelial expression of tumor necrosis factor-Î± and interleukin-6 messenger RNA*. Critical Care Medicine, 2002, 30, 1693-1700.	0.4	147
92	History of Mechanical Ventilation. From Vesalius to Ventilator-induced Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 1106-1115.	2.5	147
93	Mechanical Ventilationâ€"associated Lung Fibrosis in Acute Respiratory Distress Syndrome. Anesthesiology, 2014, 121, 189-198.	1.3	145
94	Temporary circulatory support for cardiogenic shock. Lancet, The, 2020, 396, 199-212.	6.3	142
95	Lung recruitment during small tidal volume ventilation allows minimal positive end-expiratory pressure without augmenting lung injury. Critical Care Medicine, 1999, 27, 1940-1945.	0.4	142
96	ARDSNetLower Tidal Volume Ventilatory Strategy May Generate Intrinsic Positive End-Expiratory Pressure in Patients with Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2002, 165, 1271-1274.	2.5	140
97	Diaphragmatic myotrauma: a mediator of prolonged ventilation and poor patient outcomes in acute respiratory failure. Lancet Respiratory Medicine,the, 2019, 7, 90-98.	5.2	139
98	Tidal Volume and Frequency Dependence of Carbon Dioxide Elimination by High-Frequency Ventilation. New England Journal of Medicine, 1981, 305, 1375-1379.	13.9	134
99	Lung Protective Strategies of Ventilation in the Neonate: What Are They?. Pediatrics, 2000, 105, 112-114.	1.0	130
100	Increased Nitric Oxide in Exhaled Gas as an Early Marker of Lung Inflammation in a Model of Sepsis. American Journal of Respiratory and Critical Care Medicine, 1995, 151, 713-718.	2.5	129
101	Mechanical stress induces lung fibrosis by epithelialâ€"mesenchymal transition*. Critical Care Medicine, 2012, 40, 510-517.	0.4	128
102	Effects of induced hypothermia in patients with septic adult respiratory distress syndrome. Resuscitation, 1993, 26, 183-192.	1.3	125
103	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*. Critical Care Medicine, 2005, 33, 479-486.	0.4	123
104	Mechanical ventilation: lessons from the ARDSNet trial. Respiratory Research, 2000, 1, 73-7.	1.4	122
105	Effect of Lowering V<scp>t</scp> on Mortality in Acute Respiratory Distress Syndrome Varies with Respiratory System Elastance. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 1378-1385.	2.5	118
106	William J. Sibbald: In Memoriam. Critical Care Medicine, 2007, 35, 1-2.	0.4	115
107	Development of a clinical definition for acute respiratory distress syndrome using the Delphi technique. Journal of Critical Care, 2005, 20, 147-154.	1.0	114
108	Extracorporeal cardiopulmonary resuscitation in adults: evidence and implications. Intensive Care Medicine, 2022, 48, 1-15.	3.9	114

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109	Influence of neurally adjusted ventilatory assist and positive end-expiratory pressure on breathing pattern in rabbits with acute lung injury*. Critical Care Medicine, 2006, 34, 2997-3004.	0.4	113
110	Heat stress increases survival rates in lipopolysaccharide-stimulated rats. Critical Care Medicine, 1997, 25, 1727-1732.	0.4	113
111	Ventilator-induced Lung Injury. Similarity and Differences between Children and Adults. American Journal of Respiratory and Critical Care Medicine, 2014, 190, 258-265.	2.5	111
112	Mechanical ventilation alters the immune response in children without lung pathology. Intensive Care Medicine, 2002, 28, 486-492.	3.9	109
113	Venoarterial extracorporeal membrane oxygenation to rescue sepsis-induced cardiogenic shock: a retrospective, multicentre, international cohort study. Lancet, The, 2020, 396, 545-552.	6.3	108
114	Physiologic assessment of the ex vivo donor lung for transplantation. Journal of Heart and Lung Transplantation, 2012, 31, 1120-1126.	0.3	107
115	LYMPHOCYTIC AIRWAY INFILTRATION AS A PRECURSOR TO FIBROUS OBLITERATION IN A RAT MODEL OF BRONCHIOLITIS OBLITERANS1,2. Transplantation, 1997, 64, 311-317.	0.5	107
116	Ventilation with Small Tidal Volumes. New England Journal of Medicine, 2002, 347, 630-631.	13.9	104
117	A novel non-invasive method to detect excessively high respiratory effort and dynamic transpulmonary driving pressure during mechanical ventilation. Critical Care, 2019, 23, 346.	2.5	104
118	Human neutrophil peptides induce interleukin-8 production through the P2Y6 signaling pathway. Blood, 2006, 107, 2936-2942.	0.6	103
119	Lung Repair and Regeneration in ARDS. Chest, 2019, 155, 587-594.	0.4	100
120	Exhaled Nitric Oxide and Bronchial Reactivity During and After Inhaled Beclomethasone in Mild Asthma. Journal of Asthma, 1998, 35, 473-479.	0.9	98
121	ECMO for ARDS: from salvage to standard of care?. Lancet Respiratory Medicine,the, 2019, 7, 108-110.	5.2	98
122	Extracorporeal life support for adults with acute respiratory distress syndrome. Intensive Care Medicine, 2020, 46, 2464-2476.	3.9	98
123	Mechanical Stress and the Induction of Lung Fibrosis via the Midkine Signaling Pathway. American Journal of Respiratory and Critical Care Medicine, 2015, 192, 315-323.	2.5	93
124	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. Lancet Respiratory Medicine,the, 2017, 5, 627-638.	5.2	93
125	Ventilator-induced lung injury: from barotrauma to biotrauma. Respiratory Care, 2005, 50, 646-59.	0.8	93
126	Improved Synchrony and Respiratory Unloading by Neurally Adjusted Ventilatory Assist (NAVA) in Lung-Injured Rabbits. Pediatric Research, 2007, 61, 289-294.	1.1	92

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127	Long-term follow-up of survivors of acute lung injury: Lack of effect of a ventilation strategy to prevent barotrauma. Critical Care Medicine, 1999, 27, 2616-2621.	0.4	92
128	Neuroimmune Regulation of Ventilator-induced Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 471-482.	2.5	91
129	Novel approaches to minimize ventilator-induced lung injury. BMC Medicine, 2013, 11, 85.	2.3	90
130	Neutrophil defensins mediate acute inflammatory response and lung dysfunction in dose-related fashion. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2001, 280, L947-L954.	1.3	88
131	Data Safety and Monitoring Boards. New England Journal of Medicine, 2004, 350, 1143-1147.	13.9	88
132	Prevention of viral transmission during lung transplantation with hepatitis C-viraemic donors: an open-label, single-centre, pilot trial. Lancet Respiratory Medicine,the, 2020, 8, 192-201.	5.2	87
133	Human soluble ACE2 improves the effect of remdesivir in SARSâ€CoVâ€2 infection. EMBO Molecular Medicine, 2021, 13, e13426.	3.3	87
134	Mechanical stretch stimulates macrophage inflammatory protein-2 secretion from fetal rat lung cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L699-L706.	1.3	86
135	Circadian rhythms. Critical Care Medicine, 2012, 40, 246-253.	0.4	86
136	Neuroventilatory efficiency and extubation readiness in critically ill patients. Critical Care, 2012, 16, R143.	2.5	86
137	Effect of different inspiratory rise time and cycling off criteria during pressure support ventilation in patients recovering from acute lung injury. Critical Care Medicine, 2003, 31, 2604-2610.	0.4	85
138	Conventional Mechanical Ventilation Is Associated with Bronchoalveolar Lavage-induced Activation of Polymorphonuclear Leukocytes. Anesthesiology, 2002, 97, 1426-1433.	1.3	84
139	Respiratory support in patients with acute respiratory distress syndrome: an expert opinion. Critical Care, 2017, 21, 240.	2.5	84
140	Plasma levels of surfactant protein D and KL-6 for evaluation of lung injury in critically ill mechanically ventilated patients. BMC Pulmonary Medicine, 2010, 10, 6.	0.8	83
141	Sleep apnea and systemic hypertension: A causal association review. American Journal of Medicine, 1991, 91, 190-196.	0.6	81
142	Subjectâ€"ventilator synchrony during neural versus pneumatically triggered non-invasive helmet ventilation. Intensive Care Medicine, 2008, 34, 1615-1623.	3.9	81
143	High-frequency oscillatory ventilation and ventilator-induced lung injury. Critical Care Medicine, 2005, 33, S129-S134.	0.4	80
144	PEEP or No PEEP â€" Lung Recruitment May Be the Solution. New England Journal of Medicine, 2006, 354, 1839-1841.	13.9	80

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145	Molecular mechanisms of sex bias differences in COVID-19 mortality. Critical Care, 2020, 24, 405.	2.5	79
146	Respiratory Mechanics in Acute Quadriplegia: Lung and Chest Wall Compliance and Dimensional Changes during Respiratory Maneuvers. The American Review of Respiratory Disease, 1989, 139, 615-620.	2.9	78
147	Rapid reperfusion causes stress failure in ischemic rat lungs. Journal of Thoracic and Cardiovascular Surgery, 1998, 116, 932-942.	0.4	78
148	Inflammation and the acute respiratory distress syndrome. Bailliere's Best Practice and Research in Clinical Anaesthesiology, 2004, 18, 477-492.	1.7	76
149	Acute respiratory distress syndrome and multiple organ failure. Current Opinion in Critical Care, 2011, 17, 1-6.	1.6	75
150	Not Just Oxygen? Mechanisms of Benefit from High-Flow Nasal Cannula in Hypoxemic Respiratory Failure. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1128-1131.	2.5	75
151	Extracorporeal organ support (ECOS) in critical illness and acute kidney injury: from native to artificial organ crosstalk. Intensive Care Medicine, 2018, 44, 1447-1459.	3.9	75
152	PRODUCTION OF TUMOUR NECROSIS FACTOR Î± BY PRIMARY CULTURED RAT ALVEOLAR EPITHELIAL CELLS. Cytokine, 2000, 12, 644-654.	1.4	73
153	Pressure and Volume Limited Ventilation for the Ventilatory Management of Patients with Acute Lung Injury: A Systematic Review and Meta-Analysis. PLoS ONE, 2011, 6, e14623.	1.1	72
154	Human alveolar epithelial type II cells in primary culture. Physiological Reports, 2015, 3, e12288.	0.7	71
155	Decreased exhaled nitric oxide may be a marker of cardiopulmonary bypassâ€“induced injury. Annals of Thoracic Surgery, 1998, 66, 532-534.	0.7	70
156	Effect of ventilator-induced lung injury on the development of reperfusion injury in a rat lung transplant model. Journal of Thoracic and Cardiovascular Surgery, 2002, 124, 1137-1144.	0.4	70
157	Mechanical ventilation may increase susceptibility to the development of bacteremia. Critical Care Medicine, 2003, 31, 1429-1434.	0.4	70
158	Role of oxidative stress in experimental sepsis and multisystem organ dysfunction. Free Radical Research, 2006, 40, 665-672.	1.5	70
159	Human neutrophil peptides: a novel potential mediator of inflammatory cardiovascular diseases. American Journal of Physiology - Heart and Circulatory Physiology, 2008, 295, H1817-H1824.	1.5	70
160	Neurally adjusted ventilatory assist decreases ventilator-induced lung injury and non-pulmonary organ dysfunction in rabbits with acute lung injury. Intensive Care Medicine, 2009, 35, 1979-89.	3.9	70
161	Fiveâ€ƒpercent albumin for adult burn shock resuscitation: lack of effect on daily multiple organ dysfunction score. Transfusion, 2006, 46, 80-89.	0.8	68
162	Idiopathic Pulmonary Fibrosis â€” New Insights. New England Journal of Medicine, 2007, 356, 1370-1372.	13.9	68

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163	Biotrauma Hypothesis of Ventilator-induced Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2004, 169, 314-316.	2.5	65
164	Accuracy of Plateau Pressure and Stress Index to Identify Injurious Ventilation in Patients with Acute Respiratory Distress Syndrome. Anesthesiology, 2013, 119, 880-889.	1.3	65
165	Clinical Issues and Research in Respiratory Failure from Severe Acute Respiratory Syndrome. American Journal of Respiratory and Critical Care Medicine, 2005, 171, 518-526.	2.5	64
166	Non-invasive neurally adjusted ventilatory assist in rabbits with acute lung injury. Intensive Care Medicine, 2008, 34, 316-323.	3.9	64
167	Neuromuscular Blocking Agent Cisatracurium Attenuates Lung Injury by Inhibition of Nicotinic Acetylcholine Receptor-Î±1. Anesthesiology, 2016, 124, 132-140.	1.3	64
168	Immediate and Delayed Bronchoconstriction after Exercise in Patients with Asthma. New England Journal of Medicine, 1987, 317, 482-485.	13.9	63
169	Ischemia and Reperfusion Increases Susceptibility to Ventilator-induced Lung Injury in Rats. American Journal of Respiratory and Critical Care Medicine, 2006, 174, 178-186.	2.5	63
170	A simple nomogram for predicting failure of non-invasive respiratory strategies in adults with COVID-19: a retrospective multicentre study. The Lancet Digital Health, 2021, 3, e166-e174.	5.9	63
171	Extracorporeal carbon dioxide removal for lowering the risk of mechanical ventilation: research questions and clinical potential for the future. Lancet Respiratory Medicine,the, 2018, 6, 874-884.	5.2	62
172	Activation of the Wnt/Î²-Catenin Signaling Pathway by Mechanical Ventilation Is Associated with Ventilator-Induced Pulmonary Fibrosis in Healthy Lungs. PLoS ONE, 2011, 6, e23914.	1.1	62
173	Pulmonary surfactant is altered during mechanical ventilation of isolated rat lung. Critical Care Medicine, 2000, 28, 2545-2551.	0.4	61
174	The Fatality-Prone Asthmatic Patient. Chest, 1992, 101, 621-623.	0.4	60
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