

# Michael A Matthay

## List of Publications by Year in descending order

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Version: 2024-02-01

410  
papers

74,658  
citations

767

119  
h-index

551

264  
g-index

432  
all docs

432  
docs citations

432  
times ranked

42015  
citing authors

#	ARTICLE	IF	CITATIONS
1	Vitamin D Status and Clinical Outcomes in Acute Respiratory Distress Syndrome: A Secondary Analysis From the Assessment of Low Tidal Volume and Elevated End-Expiratory Volume to Obviate Lung Injury (ALVEOLI) Trial. <i>Journal of Intensive Care Medicine</i> , 2022, 37, 793-802.	2.8	3
2	Latent class analysis-derived subphenotypes are generalisable to observational cohorts of acute respiratory distress syndrome: a prospective study. <i>Thorax</i> , 2022, 77, 13-21.	5.6	45
3	Single Nucleotide Variant in FAS Associates With Organ Failure and Soluble Fas Cell Surface Death Receptor in Critical Illness. <i>Critical Care Medicine</i> , 2022, 50, e284-e293.	0.9	3
4	Beyond the Alveolar Epithelium: Plasma Soluble Receptor for Advanced Glycation End Products Is Associated With Oxygenation Impairment, Mortality, and Extrapulmonary Organ Failure in Children With Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2022, 50, 837-847.	0.9	10
5	Cigarette Smoke Exposure and Acute Respiratory Distress Syndrome in Sepsis: Epidemiology, Clinical Features, and Biologic Markers. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 205, 927-935.	5.6	9
6	Validation and utility of ARDS subphenotypes identified by machine-learning models using clinical data: an observational, multicohort, retrospective analysis. <i>Lancet Respiratory Medicine</i> , 2022, 10, 367-377.	10.7	64
7	Transfusion-Related Acute Lung Injury: 36 years of Progress (1985-2021). <i>Annals of the American Thoracic Society</i> , 2022, , .	3.2	5
8	Clinical trial design during and beyond the pandemic: the I-SPY COVID trial. <i>Nature Medicine</i> , 2022, 28, 9-11.	30.7	17
9	Update on the Features and Measurements of Experimental Acute Lung Injury in Animals: An Official American Thoracic Society Workshop Report. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022, 66, e1-e14.	2.9	82
10	Human alveolar type 2 epithelium transdifferentiates into metaplastic KRT5+ basal cells. <i>Nature Cell Biology</i> , 2022, 24, 10-23.	10.3	108
11	Responses to a Neutralizing Monoclonal Antibody for Hospitalized Patients With COVID-19 According to Baseline Antibody and Antigen Levels. <i>Annals of Internal Medicine</i> , 2022, 175, 234-243.	3.9	56
12	A decoy mutant ACE2 designed to reduce COVID-19. <i>Trends in Pharmacological Sciences</i> , 2022, , .	8.7	0
13	Aerosolized Vitamin E Acetate Causes Oxidative Injury in Mice and in Alveolar Macrophages. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, , .	2.9	9
14	Pulmonary microbiome and gene expression signatures differentiate lung function in pediatric hematopoietic cell transplant candidates. <i>Science Translational Medicine</i> , 2022, 14, eabm8646.	12.4	6
15	CD14-positive extracellular vesicles in bronchoalveolar lavage fluid as a new biomarker of acute respiratory distress syndrome. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 322, L617-L624.	2.9	11
16	Mesenchymal Stromal Cell Extracellular Vesicles - A New Approach for Preventing Bronchopulmonary Dysplasia?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, , .	5.6	1
17	Extracorporeal Membrane Oxygenation for Respiratory Failure Related to COVID-19: A Nationwide Cohort Study. <i>Anesthesiology</i> , 2022, 136, 732-748.	2.5	21
18	Limited cross-variant immunity from SARS-CoV-2 Omicron without vaccination. <i>Nature</i> , 2022, 607, 351-355.	27.8	143

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19	Importance of catecholamine signaling in the development of platelet exhaustion after traumatic injury. <i>Journal of Thrombosis and Haemostasis</i> , 2022, 20, 2109-2118.	3.8	9
20	COVID-19-associated Lung Microvascular Endotheliopathy: A Bench Perspective. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, 206, 961-972.	5.6	30
21	New Insights into Clinical and Mechanistic Heterogeneity of the Acute Respiratory Distress Syndrome: Summary of the Aspen Lung Conference 2021. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2022, 67, 284-308.	2.9	9
22	Impact of e-cigarette aerosol on primary human alveolar epithelial type 2 cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 323, L152-L164.	2.9	2
23	I-SPY COVID adaptive platform trial for COVID-19 acute respiratory failure: rationale, design and operations. <i>BMJ Open</i> , 2022, 12, e060664.	1.9	15
24	Upcoming and urgent challenges in critical care research based on COVID-19 pandemic experience. <i>Anaesthesia, Critical Care &amp; Pain Medicine</i> , 2022, , 101121.	1.4	2
25	The potential of lipid mediator networks as ocular surface therapeutics and biomarkers. <i>Ocular Surface</i> , 2021, 19, 104-114.	4.4	13
26	Global absence and targeting of protective immune states in severe COVID-19. <i>Nature</i> , 2021, 591, 124-130.	27.8	206
27	The ABO histo-blood group, endothelial activation, and acute respiratory distress syndrome risk in critical illness. <i>Journal of Clinical Investigation</i> , 2021, 131, .	8.2	26
28	Fibrinolytic niche is required for alveolar type 2 cell-mediated alveologenesis via a uPA-A6-CD44+-ENaC signal cascade. <i>Signal Transduction and Targeted Therapy</i> , 2021, 6, 97.	17.1	13
29	Progress and potential of mesenchymal stromal cell therapy in acute respiratory distress syndrome. , 2021, , 353-372.		1
30	The ARREST Pneumonia Clinical Trial. Rationale and Design. <i>Annals of the American Thoracic Society</i> , 2021, 18, 698-708.	3.2	3
31	Healthy <i>versus</i> inflamed lung environments differentially affect mesenchymal stromal cells. <i>European Respiratory Journal</i> , 2021, 58, 2004149.	6.7	20
32	Transepithelial nasal potential difference in patients with, and at risk of acute respiratory distress syndrome. <i>Thorax</i> , 2021, 76, thoraxjnl-2020-215587.	5.6	1
33	A neutrophil subset defined by intracellular olfactomedin 4 is associated with mortality in sepsis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L892-L902.	2.9	21
34	Mesenchymal stromal cells reduce evidence of lung injury in patients with ARDS. <i>JCI Insight</i> , 2021, 6, .	5.0	48
35	Readmission following both cardiac and non-cardiac acute dyspnoea is associated with a striking risk of death. <i>ESC Heart Failure</i> , 2021, 8, 2473-2484.	3.1	5
36	Inhibition of the lipoxin A4 and resolvin D1 receptor impairs host response to acute lung injury caused by pneumococcal pneumonia in mice. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021, 320, L1085-L1092.	2.9	12

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37	Acute respiratory distress syndrome is associated with impaired alveolar macrophage efferocytosis. European Respiratory Journal, 2021, 58, 2100829.	6.7	24
38	Defining phenotypes and treatment effect heterogeneity to inform acute respiratory distress syndrome and sepsis trials: secondary analyses of three RCTs. Efficacy and Mechanism Evaluation, 2021, 8, 1-104.	0.7	11
39	Plasma Metabolites in Early Sepsis Identify Distinct Clusters Defined by Plasma Lipids. , 2021, 3, e0478.		10
40	Tracheal aspirate RNA sequencing identifies distinct immunological features of COVID-19 ARDS. Nature Communications, 2021, 12, 5152.	12.8	47
41	The Berlin definition of acute respiratory distress syndrome: should patients receiving high-flow nasal oxygen be included?. Lancet Respiratory Medicine,the, 2021, 9, 933-936.	10.7	80
42	Thrombomodulin is associated with increased mortality and organ failure in mechanically ventilated children with acute respiratory failure: biomarker analysis from a multicenter randomized controlled trial. Critical Care, 2021, 25, 271.	5.8	12
43	Carbonic Anhydrase IX: Scaring Away the Grim Reaper in Acute Lung Injury?. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 573-575.	2.9	1
44	IL-6 Receptor Antagonist Therapy for Patients Hospitalized for COVID-19. JAMA - Journal of the American Medical Association, 2021, 326, 483.	7.4	31
45	Therapeutic Effects of High Molecular Weight Hyaluronic Acid in Severe Pseudomonas Aeruginosa Pneumonia in Ex Vivo Perfused Human Lungs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L827-L836.	2.9	3
46	Assessment of Alveolar Macrophage Dysfunction Using an in vitro Model of Acute Respiratory Distress Syndrome. Frontiers in Medicine, 2021, 8, 737859.	2.6	4
47	Preface. Critical Care Clinics, 2021, 37, xiii-xv.	2.6	0
48	Environmental Factors. Critical Care Clinics, 2021, 37, 717-732.	2.6	2
49	Molecular programs of fibrotic change in aging human lung. Nature Communications, 2021, 12, 6309.	12.8	33
50	Cell Therapy with the Cell or Without the Cell for Premature Infants? Time Will Tell. American Journal of Respiratory and Critical Care Medicine, 2021, , .	5.6	0
51	Delayed angiopoietinâ€² blockade reduces influenzaâ€²-induced lung injury and improves survival in mice. Physiological Reports, 2021, 9, e15081.	1.7	2
52	Delayed Presentation and Mortality in Children With Sepsis in a Public Tertiary Care Hospital in Tanzania. Frontiers in Pediatrics, 2021, 9, 764163.	1.9	2
53	Intravenous immunoglobulin therapy for COVID-19 ARDS. Lancet Respiratory Medicine,the, 2021, , .	10.7	5
54	Promises and challenges of personalized medicine to guide ARDS therapy. Critical Care, 2021, 25, 404.	5.8	35

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55	Functional Outcomes and Morbidity in Pediatric Sepsis Survivors: A Tanzanian Experience. <i>Frontiers in Pediatrics</i> , 2021, 9, 805518.	1.9	1
56	Plasma sRAGE Acts as a Genetically Regulated Causal Intermediate in Sepsis-associated Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 47-56.	5.6	49
57	Peripheral blood leukocyte telomere length is associated with survival of sepsis patients. <i>European Respiratory Journal</i> , 2020, 55, 1901044.	6.7	27
58	Time to Recognition of Sepsis in the Emergency Department Using Electronic Health Record Data: A Comparative Analysis of Systemic Inflammatory Response Syndrome, Sequential Organ Failure Assessment, and Quick Sequential Organ Failure Assessment. <i>Critical Care Medicine</i> , 2020, 48, 200-209.	0.9	24
59	Proinflammatory cytokines and ARDS pulmonary edema fluid induce CD40 on human mesenchymal stromal cellsâ€”A potential mechanism for immune modulation. <i>PLoS ONE</i> , 2020, 15, e0240319.	2.5	5
60	Using best subset regression to identify clinical characteristics and biomarkers associated with sepsis-associated acute kidney injury. <i>American Journal of Physiology - Renal Physiology</i> , 2020, 319, F979-F987.	2.7	7
61	Higher plasma cystatin C is associated with mortality after acute respiratory distress syndrome: findings from a Fluid and Catheter Treatment Trial (FACTT) substudy. <i>Critical Care</i> , 2020, 24, 416.	5.8	8
62	Phenotypes and personalized medicine in the acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2020, 46, 2136-2152.	8.2	106
63	Alternative Tobacco Product Use in Critically Ill Patients. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 8707.	2.6	2
64	Association of patient weight status with plasma surfactant protein D, a biomarker of alveolar epithelial injury, in children with acute respiratory failure. <i>Pediatric Pulmonology</i> , 2020, 55, 2730-2736.	2.0	5
65	Dexamethasone in hospitalised patients with COVID-19: addressing uncertainties. <i>Lancet Respiratory Medicine</i> , 2020, 8, 1170-1172.	10.7	98
66	Differential effects of the cystic fibrosis lung inflammatory environment on mesenchymal stromal cells. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L908-L925.	2.9	20
67	Dose-Dependent Pulmonary Toxicity of Aerosolized Vitamin E Acetate. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 748-757.	2.9	45
68	Designing an ARDS trial for 2020 and beyond: focus on enrichment strategies. <i>Intensive Care Medicine</i> , 2020, 46, 2153-2156.	8.2	31
69	The ex vivo perfused human lung is resistant to injury by high-dose <i>S. pneumoniae</i> bacteremia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020, 319, L218-L227.	2.9	8
70	Treatment for severe acute respiratory distress syndrome from COVID-19. <i>Lancet Respiratory Medicine</i> , 2020, 8, 433-434.	10.7	254
71	Identifying Clinical Research Priorities in Adult Pulmonary and Critical Care. NHLBI Working Group Report. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 511-523.	5.6	40
72	Plasmin improves bloodâ€”gas barrier function in oedematous lungs by cleaving epithelial sodium channels. <i>British Journal of Pharmacology</i> , 2020, 177, 3091-3106.	5.4	19

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73	Acute respiratory distress syndrome-attributable mortality in critically ill patients with sepsis. <i>Intensive Care Medicine</i> , 2020, 46, 1222-1231.	8.2	74
74	Elevated Plasmin(ogen) as a Common Risk Factor for COVID-19 Susceptibility. <i>Physiological Reviews</i> , 2020, 100, 1065-1075.	28.8	308
75	Is a "Cytokine Storm" Relevant to COVID-19?. <i>JAMA Internal Medicine</i> , 2020, 180, 1152.	5.1	577
76	Impact of Bilateral Infiltrates on Inflammatory Biomarker Levels and Clinical Outcomes of Children With Oxygenation Defect. <i>Critical Care Medicine</i> , 2020, 48, e498-e504.	0.9	3
77	Extracellular Vesicles: A New Frontier for Research in Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 15-24.	2.9	48
78	Contemporary strategies to improve clinical trial design for critical care research: insights from the First Critical Care Clinical Trialists Workshop. <i>Intensive Care Medicine</i> , 2020, 46, 930-942.	8.2	49
79	Potential Value of Biomarker Signatures in Sepsis and Acute Respiratory Distress Syndrome in Children and Adults*. <i>Critical Care Medicine</i> , 2020, 48, 428-430.	0.9	0
80	Patterns and Trends in Advance Care Planning Among Older Adults Who Received Intensive Care at the End of Life. <i>JAMA Internal Medicine</i> , 2020, 180, 786.	5.1	27
81	Improved survival after lung transplantation for adults requiring preoperative invasive mechanical ventilation: A national cohort study. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2020, 160, 1385-1395.e6.	0.8	10
82	Development and validation of parsimonious algorithms to classify acute respiratory distress syndrome phenotypes: a secondary analysis of randomised controlled trials. <i>Lancet Respiratory Medicine</i> , 2020, 8, 247-257.	10.7	165
83	Surfactant Protein D Is Associated With Severe Pediatric ARDS, Prolonged Ventilation, and Death in Children With Acute Respiratory Failure. <i>Chest</i> , 2020, 158, 1027-1035.	0.8	30
84	Collagen-producing lung cell atlas identifies multiple subsets with distinct localization and relevance to fibrosis. <i>Nature Communications</i> , 2020, 11, 1920.	12.8	346
85	Combined Mesenchymal Stromal Cell Therapy and Extracorporeal Membrane Oxygenation in Acute Respiratory Distress Syndrome. A Randomized Controlled Trial in Sheep. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 383-392.	5.6	27
86	Acute respiratory distress syndrome subphenotypes and therapy responsive traits among preclinical models: protocol for a systematic review and meta-analysis. <i>Respiratory Research</i> , 2020, 21, 81.	3.6	12
87	Clinician Recognition of the Acute Respiratory Distress Syndrome: Risk Factors for Under-Recognition and Trends Over Time*. <i>Critical Care Medicine</i> , 2020, 48, 830-837.	0.9	16
88	Biological Mechanisms of COVID-19 Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 1489-1491.	5.6	38
89	Corticosteroids, COVID-19 pneumonia, and acute respiratory distress syndrome. <i>Journal of Clinical Investigation</i> , 2020, 130, 6218-6221.	8.2	50
90	The endogenous capacity to produce proinflammatory mediators by the ex vivo human perfused lung. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 56.	1.9	7

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91	Title is missing!. , 2020, 15, e0240319.		0
92	Title is missing!. , 2020, 15, e0240319.		0
93	Title is missing!. , 2020, 15, e0240319.		0
94	Title is missing!. , 2020, 15, e0240319.		0
95	Therapeutic effects of human mesenchymal stem cell microvesicles in an ex vivo perfused human lung injured with severe <i>E. coli</i> pneumonia. Thorax, 2019, 74, 43-50.	5.6	166
96	Low to Moderate Air Pollutant Exposure and Acute Respiratory Distress Syndrome after Severe Trauma. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 62-70.	5.6	47
97	Therapeutic Effects of Hyaluronic Acid in Bacterial Pneumonia in <i>Ex Vivo</i> Perfused Human Lungs. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1234-1245.	5.6	29
98	ECMO in severe acute respiratory distress syndrome. Lancet Respiratory Medicine,the, 2019, 7, 106-108.	10.7	5
99	Plasma total fibroblast growth factor 23 levels are associated with acute kidney injury and mortality in children with acute respiratory distress syndrome. PLoS ONE, 2019, 14, e0222065.	2.5	7
100	Clinically relevant model of pneumococcal pneumonia, ARDS, and nonpulmonary organ dysfunction in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L717-L736.	2.9	24
101	Lung inflammatory environments differentially alter mesenchymal stromal cell behavior. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2019, 317, L823-L831.	2.9	36
102	A prospective investigation of interleukin-8 levels in pediatric acute respiratory failure and acute respiratory distress syndrome. Critical Care, 2019, 23, 128.	5.8	28
103	Pathogenesis of Acute Respiratory Distress Syndrome. Seminars in Respiratory and Critical Care Medicine, 2019, 40, 031-039.	2.1	276
104	Heterogeneity in sepsis: new biological evidence with clinical applications. Critical Care, 2019, 23, 80.	5.8	118
105	Acute respiratory distress syndrome. Nature Reviews Disease Primers, 2019, 5, 18.	30.5	1,364
106	Precision medicine for cell therapy in acute respiratory distress syndrome – Authors' reply. Lancet Respiratory Medicine,the, 2019, 7, e14.	10.7	2
107	Clinician-Family Communication About Patients' Values and Preferences in Intensive Care Units. JAMA Internal Medicine, 2019, 179, 676.	5.1	108
108	Proliferative regulation of alveolar epithelial type 2 progenitor cells by human <i>Scnn1d</i> gene. Theranostics, 2019, 9, 8155-8170.	10.0	12

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109	Positive Cumulative Fluid Balance Is Associated With Mortality in Pediatric Acute Respiratory Distress Syndrome in the Setting of Acute Kidney Injury. <i>Pediatric Critical Care Medicine</i> , 2019, 20, 323-331.	0.5	28
110	A Multicenter Study of the Causes and Consequences of Optimistic Expectations About Prognosis by Surrogate Decision-Makers in ICUs*. <i>Critical Care Medicine</i> , 2019, 47, 1184-1193.	0.9	26
111	Plasma sTNFR1 and IL8 for prognostic enrichment in sepsis trials: a prospective cohort study. <i>Critical Care</i> , 2019, 23, 400.	5.8	22
112	Is a Part Better than the Whole for Cell-based Therapy for Acute Respiratory Distress Syndrome?. <i>Anesthesiology</i> , 2019, 130, 683-685.	2.5	5
113	Association of Elevated Plasma Interleukin-18 Level With Increased Mortality in a Clinical Trial of Statin Treatment for Acute Respiratory Distress Syndrome*. <i>Critical Care Medicine</i> , 2019, 47, 1089-1096.	0.9	70
114	Physiologic Analysis and Clinical Performance of the Ventilatory Ratio in Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 333-341.	5.6	186
115	Treatment with allogeneic mesenchymal stromal cells for moderate to severe acute respiratory distress syndrome (START study): a randomised phase 2a safety trial. <i>Lancet Respiratory Medicine</i> , 2019, 7, 154-162.	10.7	443
116	AIMing Immunomodulation Therapy at Sepsis. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2019, 60, 253-254.	2.9	1
117	Therapeutic potential of mesenchymal stromal cells in the treatment of ARDS. <i>Transfusion</i> , 2019, 59, 869-875.	1.6	16
118	Could Decisions to Limit Treatment Contribute to Mortality Differences between Patients with Different Presepsis Trajectories?. <i>Annals of the American Thoracic Society</i> , 2019, 16, 522-522.	3.2	1
119	The ex vivo human lung: research value for translational science. <i>JCI Insight</i> , 2019, 4, .	5.0	24
120	The TLR4-PAR1 Axis Regulates Bone Marrow Mesenchymal Stromal Cell Survival and Therapeutic Capacity in Experimental Bacterial Pneumonia. <i>Stem Cells</i> , 2018, 36, 796-806.	3.2	24
121	Elevated donor plasminogen activator inhibitor-1 levels and the risk of primary graft dysfunction. <i>Clinical Transplantation</i> , 2018, 32, e13210.	1.6	3
122	Mesenchymal stem cell-derived extracellular vesicles attenuate pulmonary vascular permeability and lung injury induced by hemorrhagic shock and trauma. <i>Journal of Trauma and Acute Care Surgery</i> , 2018, 84, 245-256.	2.1	76
123	Rectal and Bladder Temperatures vs Forehead Core Temperatures Measured With SpotOn Monitoring System. <i>American Journal of Critical Care</i> , 2018, 27, 43-50.	1.6	15
124	Mesenchymal stromal cells and macrophages in sepsis: new insights. <i>European Respiratory Journal</i> , 2018, 51, 1800510.	6.7	15
125	Endothelial biomarkers in human sepsis: pathogenesis and prognosis for ARDS. <i>Pulmonary Circulation</i> , 2018, 8, 1-12.	1.7	62
126	Cell-based Therapy in Sepsis. A Step Closer. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 280-281.	5.6	9

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127	Exosome-based Therapy for Bronchopulmonary Dysplasia. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 10-12.	5.6	12
128	Intratracheal instillation of alveolar type II cells enhances recovery from acute lung injury in rats. Journal of Heart and Lung Transplantation, 2018, 37, 782-791.	0.6	28
129	Interleukin-1 Receptor Antagonist Is Associated With Pediatric Acute Respiratory Distress Syndrome and Worse Outcomes in Children With Acute Respiratory Failure*. Pediatric Critical Care Medicine, 2018, 19, 930-938.	0.5	25
130	Variability in Pediatric Ideal Body Weight Calculation: Implications for Lung-Protective Mechanical Ventilation Strategies in Pediatric Acute Respiratory Distress Syndrome*. Pediatric Critical Care Medicine, 2018, 19, e643-e652.	0.5	17
131	Integrating host response and unbiased microbe detection for lower respiratory tract infection diagnosis in critically ill adults. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12353-E12362.	7.1	249
132	Latent class analysis of ARDS subphenotypes: a secondary analysis of the statins for acutely injured lungs from sepsis (SAILS) study. Intensive Care Medicine, 2018, 44, 1859-1869.	8.2	223
133	Beyond Low Tidal Volume Ventilation: Treatment Adjuncts for Severe Respiratory Failure in Acute Respiratory Distress Syndrome. Critical Care Medicine, 2018, 46, 1820-1831.	0.9	44
134	Plasma angiopoietin-2 as a potential causal marker in sepsis-associated ARDS development: evidence from Mendelian randomization and mediation analysis. Intensive Care Medicine, 2018, 44, 1849-1858.	8.2	89
135	Meta-Analysis of Preclinical Studies of Fibrinolytic Therapy for Acute Lung Injury. Frontiers in Immunology, 2018, 9, 1898.	4.8	60
136	Extracorporeal Membrane Oxygenation for Severe Acute Respiratory Distress Syndrome. New England Journal of Medicine, 2018, 379, 884-887.	27.0	19
137	Cigarette smoke exposure worsens acute lung injury in antibiotic-treated bacterial pneumonia in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L25-L40.	2.9	20
138	Inhibiting Bruton's tyrosine kinase rescues mice from lethal influenza-induced acute lung injury. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L52-L58.	2.9	81
139	Acute respiratory distress syndrome subphenotypes and differential response to simvastatin: secondary analysis of a randomised controlled trial. Lancet Respiratory Medicine, the, 2018, 6, 691-698.	10.7	455
140	Plasma sRAGE is independently associated with increased mortality in ARDS: a meta-analysis of individual patient data. Intensive Care Medicine, 2018, 44, 1388-1399.	8.2	82
141	Human pulmonary endothelial cell permeability after exposure to LPS-stimulated leukocyte supernatants derived from patients with early sepsis. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L638-L644.	2.9	18
142	Influence of Clinical Factors and Exclusion Criteria on Mortality in ARDS Observational Studies and Randomized Controlled Trials. Respiratory Care, 2018, 63, 1060-1069.	1.6	24
143	Measurement of Protein Permeability and Fluid Transport of Human Alveolar Epithelial Type II Cells Under Pathological Conditions. Methods in Molecular Biology, 2018, 1809, 121-128.	0.9	1
144	Effect of Rosuvastatin on Acute Kidney Injury in Sepsis-Associated Acute Respiratory Distress Syndrome. Canadian Journal of Kidney Health and Disease, 2018, 5, 205435811878915.	1.1	3

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145	Effects of bone marrow-derived mesenchymal stromal cells on gene expression in human alveolar type II cells exposed to TNF- $\alpha$ , IL-1 $\beta$ , and IFN- $\gamma$ . Physiological Reports, 2018, 6, e13831.	1.7	7
146	Possible hepatotoxicity of IQOS. Tobacco Control, 2018, 27, s39-s40.	3.2	37
147	Severity scoring of lung oedema on the chest radiograph is associated with clinical outcomes in ARDS. Thorax, 2018, 73, 840-846.	5.6	244
148	Secondary peritonitis: principles of diagnosis and intervention. BMJ: British Medical Journal, 2018, 361, k1407.	2.3	88
149	Cigarette Smoke Exposure Worsens Endotoxin-Induced Lung Injury and Pulmonary Edema in Mice. Nicotine and Tobacco Research, 2017, 19, 1033-1039.	2.6	26
150	Randomized Clinical Trial of a Combination of an Inhaled Corticosteroid and Beta Agonist in Patients at Risk of Developing the Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2017, 45, 798-805.	0.9	69
151	Incorporating Inflammation into Mortality Risk in Pediatric Acute Respiratory Distress Syndrome. Critical Care Medicine, 2017, 45, 858-866.	0.9	41
152	Keratinocyte growth factor for the treatment of the acute respiratory distress syndrome (KARE): a randomised, double-blind, placebo-controlled phase 2 trial. Lancet Respiratory Medicine, 2017, 5, 484-491.	10.7	70
153	Pulmonary toxicity of e-cigarettes. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 313, L193-L206.	2.9	225
154	External validation of a biomarker and clinical prediction model for hospital mortality in acute respiratory distress syndrome. Intensive Care Medicine, 2017, 43, 1123-1131.	8.2	25
155	Clinical trials in acute respiratory distress syndrome: challenges and opportunities. Lancet Respiratory Medicine, 2017, 5, 524-534.	10.7	213
156	Higher mini-BAL total protein concentration in early ARDS predicts faster resolution of lung injury measured by more ventilator-free days. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L579-L585.	2.9	15
157	Profiling of ARDS pulmonary edema fluid identifies a metabolically distinct subset. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L703-L709.	2.9	36
158	Effect of Years of Research in ARDS. Cell-based Therapy for Acute Respiratory Distress Syndrome. Biology and Potential Therapeutic Value. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 266-273.	5.6	179
159	What drives neutrophils to the alveoli in ARDS?. Thorax, 2017, 72, 1-3.	5.6	418
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