

Lieuwe D Bos

List of Publications by Year in descending order

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Version: 2024-02-01

200
papers

11,603
citations

61984

43
h-index

32842

100
g-index

204
all docs

204
docs citations

204
times ranked

17728
citing authors

#	ARTICLE	IF	CITATIONS
1	Targeted exhaled breath analysis for detection of <i>Pseudomonas aeruginosa</i> in cystic fibrosis patients. <i>Journal of Cystic Fibrosis</i> , 2022, 21, e28-e34.	0.7	17
2	Untargeted Molecular Analysis of Exhaled Breath as a Diagnostic Test for Ventilator-Associated Lower Respiratory Tract Infections (BreathDx). <i>Thorax</i> , 2022, 77, 79-81.	5.6	10
3	Incidence, Clinical Characteristics and Outcomes of Early Hyperbilirubinemia in Critically Ill Patients: Insights From the MARS Study. <i>Shock</i> , 2022, 57, 161-167.	2.1	7
4	Comparison of microbial composition of cough swabs and sputum for pathogen detection in patients with cystic fibrosis. <i>Journal of Cystic Fibrosis</i> , 2022, 21, 52-60.	0.7	6
5	ERS clinical practice guidelines: high-flow nasal cannula in acute respiratory failure. <i>European Respiratory Journal</i> , 2022, 59, 2101574.	6.7	110
6	Etiology of Myocardial Injury in Critically Ill Patients with Sepsis: A Cohort Study. <i>Annals of the American Thoracic Society</i> , 2022, 19, 773-780.	3.2	5
7	COVID-19 Pathophysiology: An Opportunity to Start Appreciating Time-Dependent Variation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, , .	5.6	2
8	Time-dependent bias when analysing COVID-19-associated pulmonary aspergillosis. <i>Lancet Respiratory Medicine</i> , 2022, 10, e25-e26.	10.7	0
9	Source-specific host response and outcomes in critically ill patients with sepsis: a prospective cohort study. <i>Intensive Care Medicine</i> , 2022, 48, 92-102.	8.2	35
10	The INVENT COVID trial: a structured protocol for a randomized controlled trial investigating the efficacy and safety of intravenous imatinib mesylate (Impentri [®]) in subjects with acute respiratory distress syndrome induced by COVID-19. <i>Trials</i> , 2022, 23, 158.	1.6	6
11	Towards a biological definition of ARDS: are treatable traits the solution?. <i>Intensive Care Medicine Experimental</i> , 2022, 10, 8.	1.9	32
12	Patients with hypothermic sepsis have a unique gene expression profile compared to patients with fever and sepsis. <i>Journal of Cellular and Molecular Medicine</i> , 2022, 26, 1896-1904.	3.6	1
13	Breath octane and acetaldehyde as markers for ARDS in invasively ventilated patients suspected to have VAP. <i>ERJ Open Research</i> , 2022, 8, 00624-2021.	2.6	2
14	Inhaled pulmonary vasodilators are not associated with improved gas exchange in mechanically ventilated patients with COVID-19: A retrospective cohort study. <i>Journal of Critical Care</i> , 2022, 69, 153990.	2.2	8
15	Update in Critical Care 2021. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2022, , .	5.6	0
16	Effect of erythromycin on mortality and the host response in critically ill patients with sepsis: a target trial emulation. <i>Critical Care</i> , 2022, 26, .	5.8	4
17	Ventilation management and clinical outcomes in invasively ventilated patients with COVID-19 (PROVENT-COVID): a national, multicentre, observational cohort study. <i>Lancet Respiratory Medicine</i> , 2021, 9, 139-148.	10.7	206
18	Detection and quantification of exhaled volatile organic compounds in mechanically ventilated patients – comparison of two sampling methods. <i>Analyst</i> , 2021, 146, 222-231.	3.5	8

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19	Severe COVID-19 Infectionsâ€”Knowledge Gained and Remaining Questions. <i>JAMA Internal Medicine</i> , 2021, 181, 9.	5.1	15
20	Development and validation of a point-of-care breath test for octane detection. <i>Analyst, The</i> , 2021, 146, 4605-4614.	3.5	8
21	Consumptive coagulopathy is associated with a disturbed host response in patients with sepsis. <i>Journal of Thrombosis and Haemostasis</i> , 2021, 19, 1049-1063.	3.8	10
22	Biological subphenotypes of acute respiratory distress syndrome may not reflect differences in alveolar inflammation. <i>Physiological Reports</i> , 2021, 9, e14693.	1.7	19
23	Precision medicine in acute respiratory distress syndrome: workshop report and recommendations for future research. <i>European Respiratory Review</i> , 2021, 30, 200317.	7.1	34
24	The Association of Intraoperative driving pressure with postoperative pulmonary complications in open versus closed abdominal surgery patients â€” a posthoc propensity scoreâ€”weighted cohort analysis of the LAS VEGAS study. <i>BMC Anesthesiology</i> , 2021, 21, 84.	1.8	19
25	Instrumental dead space in ventilator management â€” Authors' reply. <i>Lancet Respiratory Medicine</i> , the, 2021, 9, e23.	10.7	4
26	Cleaving the Acute Respiratory Distress Syndrome into Treatable Traits: A Role for Caspase-1?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 204, 6-7.	5.6	0
27	Awake Prone as an Adjunctive Therapy for Refractory Hypoxemia in Non-Intubated Patients with COVID-19 Acute Respiratory Failure: Guidance from an International Group of Healthcare Workers. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, 104, 1676-1686.	1.4	21
28	Practice of adjunctive treatments in critically ill COVIDâ€”19 patientsâ€”rational for the multicenter observational PROAcT-COVID study in The Netherlands. <i>Annals of Translational Medicine</i> , 2021, 9, 813-813.	1.7	6
29	Clinical features and prognostic factors in Covid-19: A prospective cohort study. <i>EBioMedicine</i> , 2021, 67, 103378.	6.1	79
30	Dead space estimates may not be independently associated with 28-day mortality in COVID-19 ARDS. <i>Critical Care</i> , 2021, 25, 171.	5.8	20
31	Slicing and dicing ARDS: we almost forgot the lungs. <i>Critical Care</i> , 2021, 25, 180.	5.8	0
32	Assessment of the Effect of Recruitment Maneuver on Lung Aeration Through Imaging Analysis in Invasively Ventilated Patients: A Systematic Review. <i>Frontiers in Physiology</i> , 2021, 12, 666941.	2.8	9
33	Assessment of Lung Reaeration at 2 Levels of Positive End-expiratory Pressure in Patients With Early and Late COVID-19-related Acute Respiratory Distress Syndrome. <i>Journal of Thoracic Imaging</i> , 2021, 36, 286-293.	1.5	10
34	Biological Subphenotypes of Acute Respiratory Distress Syndrome Show Prognostic Enrichment in Mechanically Ventilated Patients without Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 1503-1511.	5.6	43
35	Association of early positive end-expiratory pressure settings with ventilator-free days in patients with coronavirus disease 2019 acute respiratory distress syndrome. <i>European Journal of Anaesthesiology</i> , 2021, Publish Ahead of Print, 1274-1283.	1.7	7
36	Diagnosis of acute respiratory distress syndrome (DARTS) by bedside exhaled breath octane measurements in invasively ventilated patients: protocol of a multicentre observational cohort study. <i>Annals of Translational Medicine</i> , 2021, 9, 1262-1262.	1.7	9

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37	Quantitative Method for the Analysis of Ivacaftor, Hydroxymethyl Ivacaftor, Ivacaftor Carboxylate, Lumacaftor, and Tezacaftor in Plasma and Sputum Using Liquid Chromatography With Tandem Mass Spectrometry and Its Clinical Applicability. <i>Therapeutic Drug Monitoring</i> , 2021, 43, 555-563.	2.0	10
38	Ultrasound versus Computed Tomography Assessment of Focal Lung Aeration in Invasively Ventilated ICU Patients. <i>Ultrasound in Medicine and Biology</i> , 2021, 47, 2589-2597.	1.5	10
39	Lung Ultrasound Assessment of Focal and Non-focal Lung Morphology in Patients With Acute Respiratory Distress Syndrome. <i>Frontiers in Physiology</i> , 2021, 12, 730857.	2.8	18
40	Imatinib in patients with severe COVID-19: a randomised, double-blind, placebo-controlled, clinical trial. <i>Lancet Respiratory Medicine</i> , 2021, 9, 957-968.	10.7	83
41	Pathophysiology of the Acute Respiratory Distress Syndrome. <i>Critical Care Clinics</i> , 2021, 37, 795-815.	2.6	19
42	Lumacaftor/ivacaftor changes the lung microbiome and metabolome in cystic fibrosis patients. <i>ERJ Open Research</i> , 2021, 7, 00731-2020.	2.6	21
43	Breathomics in Chronic Airway Diseases. , 2021, , 244-255.		1
44	Systematic review of diagnostic methods for acute respiratory distress syndrome. <i>ERJ Open Research</i> , 2021, 7, 00504-2020.	2.6	6
45	Longitudinal respiratory subphenotypes in patients with COVID-19-related acute respiratory distress syndrome: results from three observational cohorts. <i>Lancet Respiratory Medicine</i> , 2021, 9, 1377-1386.	10.7	71
46	A Lower Global Lung Ultrasound Score Is Associated with Higher Likelihood of Successful Extubation in Invasively Ventilated COVID-19 Patients. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, 105, 1490-1497.	1.4	6
47	COVID-19: management in the ICU. , 2021, , 124-143.		2
48	Potential of Parameters of Iron Metabolism for the Diagnosis of Anemia of Inflammation in the Critically Ill. <i>Transfusion Medicine and Hemotherapy</i> , 2020, 47, 61-67.	1.6	3
49	Anti-C5a antibody IFX-1 (vilobelimab) treatment versus best supportive care for patients with severe COVID-19 (PANAMO): an exploratory, open-label, phase 2 randomised controlled trial. <i>Lancet Rheumatology</i> , 2020, 2, e764-e773.	3.9	148
50	A Higher Fluid Balance in the Days After Septic Shock Reversal Is Associated With Increased Mortality: An Observational Cohort Study. , 2020, 2, e0219.		15
51	ePS6.01 Targeted analysis of volatile organic compounds for detection of <i>Pseudomonas aeruginosa</i> in cystic fibrosis patients by exhaled breath analysis. <i>Journal of Cystic Fibrosis</i> , 2020, 19, S52.	0.7	0
52	Phenotypes and personalized medicine in the acute respiratory distress syndrome. <i>Intensive Care Medicine</i> , 2020, 46, 2136-2152.	8.2	106
53	PRactice of VENTilation in Patients with Novel Coronavirus Disease (PRoVENT-COVID): rationale and protocol for a national multicenter observational study in The Netherlands. <i>Annals of Translational Medicine</i> , 2020, 8, 1251-1251.	1.7	24
54	Precision Medicine in Neonates: Future Perspectives for the Lung. <i>Frontiers in Pediatrics</i> , 2020, 8, 586061.	1.9	10

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55	Comparison of Linear and Sector Array Probe for Handheld Lung Ultrasound in Invasively Ventilated ICU Patients. <i>Ultrasound in Medicine and Biology</i> , 2020, 46, 3249-3256.	1.5	8
56	The importance of airway and lung microbiome in the critically ill. <i>Critical Care</i> , 2020, 24, 537.	5.8	36
57	Inborn errors of type I IFN immunity in patients with life-threatening COVID-19. <i>Science</i> , 2020, 370, .	12.6	1,749
58	Autoantibodies against type I IFNs in patients with life-threatening COVID-19. <i>Science</i> , 2020, 370, .	12.6	1,983
59	Response to COVID-19 phenotyping correspondence. <i>European Respiratory Journal</i> , 2020, 56, 2002756.	6.7	10
60	Extensive pulmonary perfusion defects compatible with microthrombosis and thromboembolic disease in severe Covid-19 pneumonia. <i>Thrombosis Research</i> , 2020, 196, 135-137.	1.7	13
61	Subphenotyping Acute Respiratory Distress Syndrome in Patients with COVID-19: Consequences for Ventilator Management. <i>Annals of the American Thoracic Society</i> , 2020, 17, 1161-1163.	3.2	79
62	The perils of premature phenotyping in COVID-19: a call for caution. <i>European Respiratory Journal</i> , 2020, 56, 2001768.	6.7	51
63	COVID-19â€related Acute Respiratory Distress Syndrome: Not So Atypical. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 622-624.	5.6	26
64	Lung Microbiota Predict Clinical Outcomes in Critically Ill Patients. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 555-563.	5.6	202
65	New biomarkers for respiratory infections. <i>Current Opinion in Pulmonary Medicine</i> , 2020, 26, 232-240.	2.6	7
66	ERS International Congress, Madrid, 2019: highlights from the Respiratory Intensive Care Assembly. <i>ERJ Open Research</i> , 2020, 6, 00331-2019.	2.6	1
67	Intraoperative ventilator settings and their association with postoperative pulmonary complications in neurosurgical patients: post-hoc analysis of LAS VEGAS study. <i>BMC Anesthesiology</i> , 2020, 20, 73.	1.8	6
68	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
69	Alkaline phosphatase in pulmonary inflammationâ€a translational study in ventilated critically ill patients and rats. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 46.	1.9	7
70	The effects of tidal volume size and driving pressure levels on pulmonary complement activation: an observational study in critically ill patients. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 74.	1.9	2
71	Case Report: Lung Ultrasound for the Guidance of Adjunctive Therapies in Two Invasively Ventilated Patients with COVID-19. <i>American Journal of Tropical Medicine and Hygiene</i> , 2020, 103, 1978-1982.	1.4	5
72	Prognostic classification based on P/F and PEEP in invasively ventilated ICU patients with hypoxemiaâ€insights from the MARS study. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 43.	1.9	1

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73	The predictive validity for mortality of the driving pressure and the mechanical power of ventilation. <i>Intensive Care Medicine Experimental</i> , 2020, 8, 60.	1.9	5
74	Impact of a Gap Junction Protein Alpha 4 Variant on Clinical Disease Phenotype in F508del Homozygous Patients With Cystic Fibrosis. <i>Frontiers in Genetics</i> , 2020, 11, 570403.	2.3	1
75	Ivacaftor/lumacaftor changes the lung microbiome and metabolome in cystic fibrosis patients. , 2020, , .		1
76	Why translational research matters: proceedings of the third international symposium on acute lung injury translational research (INSPIRES III). <i>Intensive Care Medicine Experimental</i> , 2019, 7, 40.	1.9	3
77	Manipulation of the microbiome in critical illness—probiotics as a preventive measure against ventilator-associated pneumonia. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 37.	1.9	17
78	The role of hypercapnia in acute respiratory failure. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 39.	1.9	39
79	Changes in lung microbiome do not explain the development of ventilator-associated pneumonia. <i>Intensive Care Medicine</i> , 2019, 45, 1133-1135.	8.2	10
80	How to chair a poster discussion session. <i>Breathe</i> , 2019, 15, 131-134.	1.3	1
81	A pilot study of a novel molecular host response assay to diagnose infection in patients after high-risk gastro-intestinal surgery. <i>Journal of Critical Care</i> , 2019, 54, 83-87.	2.2	3
82	Age-dependent differences in pulmonary host responses in ARDS: a prospective observational cohort study. <i>Annals of Intensive Care</i> , 2019, 9, 55.	4.6	92
83	Targeted treatment of acute respiratory distress syndrome with statins—a commentary on two phenotype stratified re-analysis of randomized controlled trials. <i>Journal of Thoracic Disease</i> , 2019, 11, S296-S299.	1.4	8
84	Volatile organic compound profiles in outlet air from extracorporeal life-support devices differ from breath profiles in critically ill patients. <i>ERJ Open Research</i> , 2019, 5, 00134-2018.	2.6	5
85	Epidemiology and outcomes of source control procedures in critically ill patients with intra-abdominal infection. <i>Journal of Critical Care</i> , 2019, 52, 258-264.	2.2	27
86	European Respiratory Society International Congress 2018: highlights from Assembly 2 on respiratory intensive care. <i>ERJ Open Research</i> , 2019, 5, 00198-2018.	2.6	3
87	Soluble urokinase plasminogen activator receptor for the prediction of ventilator-associated pneumonia. <i>ERJ Open Research</i> , 2019, 5, 00212-2018.	2.6	7
88	Association between night-time surgery and occurrence of intraoperative adverse events and postoperative pulmonary complications. <i>British Journal of Anaesthesia</i> , 2019, 122, 361-369.	3.4	39
89	Exhaled breath metabolomics reveals a pathogen-specific response in a rat pneumonia model for two human pathogenic bacteria: a proof-of-concept study. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019, 316, L751-L756.	2.9	17
90	Associations between changes in oxygenation, dead space and driving pressure induced by the first prone position session and mortality in patients with acute respiratory distress syndrome. <i>Journal of Thoracic Disease</i> , 2019, 11, 5004-5013.	1.4	15

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91	Predicting the clinical trajectory in critically ill patients with sepsis: a cohort study. <i>Critical Care</i> , 2019, 23, 408.	5.8	13
92	Biomarkers in Pulmonary Infections. <i>Clinical Pulmonary Medicine</i> , 2019, 26, 118-125.	0.3	8
93	Future of the ICU: finding treatable needles in the data haystack. <i>Intensive Care Medicine</i> , 2019, 45, 240-242.	8.2	2
94	Understanding Heterogeneity in Biologic Phenotypes of Acute Respiratory Distress Syndrome by Leukocyte Expression Profiles. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 42-50.	5.6	89
95	Myocardial Injury in Critically Ill Patients with Community-acquired Pneumonia. A Cohort Study. <i>Annals of the American Thoracic Society</i> , 2019, 16, 606-612.	3.2	40
96	Estimated dead space fraction and the ventilatory ratio are associated with mortality in early ARDS. <i>Annals of Intensive Care</i> , 2019, 9, 128.	4.6	52
97	Increased mortality in elderly patients with acute respiratory distress syndrome is not explained by host response. <i>Intensive Care Medicine Experimental</i> , 2019, 7, 58.	1.9	13
98	The lung bacterial microbiome in community-acquired and nosocomial pneumonia. , 2019, , 188-194.		1
99	Modelling electronic nose sensor deflections by matching Gas Chromatography-Mass Spectrometry exhaled breath samples. , 2019, , .		0
100	Association of the Estimated Dead Space Fraction and the Ventilatory Ratio with Mortality in Patients with Acute Respiratory Distress Syndrome. , 2019, , .		0
101	Resolved versus confirmed ARDS after 24h: insights from the LUNG SAFE study. <i>Intensive Care Medicine</i> , 2018, 44, 564-577.	8.2	48
102	ARDS: challenges in patient care and frontiers in research. <i>European Respiratory Review</i> , 2018, 27, 170107.	7.1	34
103	Myocardial Injury in Patients With Sepsis and Its Association With Long-Term Outcome. <i>Circulation: Cardiovascular Quality and Outcomes</i> , 2018, 11, e004040.	2.2	87
104	The fragility of statistically significant findings in randomised controlled anaesthesiology trials: systematic review of the medical literature. <i>British Journal of Anaesthesia</i> , 2018, 120, 935-941.	3.4	46
105	The potential role of exhaled breath analysis in the diagnostic process of pneumonia—a systematic review. <i>Journal of Breath Research</i> , 2018, 12, 024001.	3.0	56
106	New kids on the block in the ECMC and opportunities for early career members in 2018. <i>Breathe</i> , 2018, 14, 55-57.	1.3	1
107	Contrary to popular belief, ventilator-associated lower respiratory tract infections are less common in immunocompromised patients. <i>European Respiratory Journal</i> , 2018, 51, 1800228.	6.7	1
108	Profiling of volatile organic compounds produced by clinical <i>Aspergillus</i> isolates using gas chromatography–mass spectrometry. <i>Medical Mycology</i> , 2018, 56, 253-256.	0.7	14

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109	Respiratory Viruses in Invasively Ventilated Critically Ill Patientsâ€”A Prospective Multicenter Observational Study. <i>Critical Care Medicine</i> , 2018, 46, 29-36.	0.9	35
110	Diagnosis of acute respiratory distress syndrome by exhaled breath analysis. <i>Annals of Translational Medicine</i> , 2018, 6, 33-33.	1.7	24
111	Association between pre-operative biological phenotypes and postoperative pulmonary complications. <i>European Journal of Anaesthesiology</i> , 2018, 35, 702-709.	1.7	8
112	Effect of cytomegalovirus reactivation on the time course of systemic host response biomarkers in previously immunocompetent critically ill patients with sepsis: a matched cohort study. <i>Critical Care</i> , 2018, 22, 348.	5.8	10
113	Mechanical power of ventilation is associated with mortality in critically ill patients: an analysis of patients in two observational cohorts. <i>Intensive Care Medicine</i> , 2018, 44, 1914-1922.	8.2	323
114	Noninvasive ventilation in hypercapnic respiratory failure: from rocking beds to fancy masks. <i>Breathe</i> , 2018, 14, 235-237.	1.3	2
115	New Surviving Sepsis Campaign guidelines: back to the art of medicine. <i>European Respiratory Journal</i> , 2018, 52, 1701818.	6.7	5
116	Iron metabolism in critically ill patients developing anemia of inflammation: a case control study. <i>Annals of Intensive Care</i> , 2018, 8, 56.	4.6	20
117	TD/GCâ€”MS analysis of volatile markers emitted from mono- and co-cultures of <i>Enterobacter cloacae</i> and <i>Pseudomonas aeruginosa</i> in artificial sputum. <i>Metabolomics</i> , 2018, 14, 66.	3.0	26
118	Volatile organic compound signature from co-culture of lung epithelial cell line with <i>Pseudomonas aeruginosa</i> . <i>Analyst</i> , 2018, 143, 3148-3155.	3.5	28
119	Detection of <i>Pseudomonas aeruginosa</i> in exhaled breath of cystic fibrosis patients. , 2018, , ,		3
120	Macrolide therapy is associated with reduced mortality in acute respiratory distress syndrome (ARDS) patients. <i>Annals of Translational Medicine</i> , 2018, 6, 24-24.	1.7	29
121	How to improve quality of research in intensive care medicine. <i>Annals of Translational Medicine</i> , 2018, 6, 35-35.	1.7	1
122	Exhaled volatile markers analysed using Selected Ion Flow Tube Mass Spectrometry discriminate <i>Pseudomonas aeruginosa</i> and <i>Streptococcus pneumoniae</i> lung infection in a rat model study. , 2018, , ,		0
123	Exhaled breath analysis for the detection of <i>Streptococcus pneumoniae</i> and <i>Pseudomonas aeruginosa</i> lung infections using gas chromatography â€” mass spectrometry: a rat model study.. , 2018, , ,		0
124	Detection of <i>Pseudomonas aeruginosa</i> infection in cystic fibrosis patients by eNose technology. , 2018, , ,		0
125	Preface from European Respiratory Society President 2018 Mina Gaga and European Respiratory Society Early-Career Member Committee Chair Lieuwe D. J. Bos. <i>Journal of Thoracic Disease</i> , 2018, 10, S2975-S2976.	1.4	0
126	BreathDx â€” molecular analysis of exhaled breath as a diagnostic test for ventilatorâ€”associated pneumonia: protocol for a European multicentre observational study. <i>BMC Pulmonary Medicine</i> , 2017, 17, 1.	2.0	84

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127	The dynamics of the pulmonary microbiome during mechanical ventilation in the intensive care unit and the association with occurrence of pneumonia. <i>Thorax</i> , 2017, 72, 803-810.	5.6	118
128	Non-invasive breath monitoring with eNose does not improve glucose diagnostics in critically ill patients in comparison to continuous glucose monitoring in blood. <i>Journal of Breath Research</i> , 2017, 11, 026002.	3.0	5
129	Volatile organic compounds in exhaled breath are independent of systemic inflammatory syndrome caused by intravenous lipopolysaccharide infusion in humans: results from an experiment in healthy volunteers. <i>Journal of Breath Research</i> , 2017, 11, 026003.	3.0	12
130	Selective decontamination of the digestive tract halves the prevalence of ventilator-associated pneumonia compared to selective oral decontamination. <i>Intensive Care Medicine</i> , 2017, 43, 1535-1537.	8.2	16
131	Biomarkers kinetics in the assessment of ventilator-associated pneumonia response to antibiotics - results from the BioVAP study. <i>Journal of Critical Care</i> , 2017, 41, 91-97.	2.2	23
132	A European Respiratory Society technical standard: exhaled biomarkers in lung disease. <i>European Respiratory Journal</i> , 2017, 49, 1600965.	6.7	432
133	Identification and validation of distinct biological phenotypes in patients with acute respiratory distress syndrome by cluster analysis. <i>Thorax</i> , 2017, 72, 876-883.	5.6	202
134	Epidemiology, practice of ventilation and outcome for patients at increased risk of postoperative pulmonary complications. <i>European Journal of Anaesthesiology</i> , 2017, 34, 492-507.	1.7	189
135	Kinetics of plasma biomarkers of inflammation and lung injury in surgical patients with or without postoperative pulmonary complications. <i>European Journal of Anaesthesiology</i> , 2017, 34, 229-238.	1.7	33
136	Increased Early Systemic Inflammation in ICU-Acquired Weakness; A Prospective Observational Cohort Study*. <i>Critical Care Medicine</i> , 2017, 45, 972-979.	0.9	50
137	Opportunities for early career members. <i>Breathe</i> , 2017, 13, 127-128.	1.3	0
138	Breathomics from exhaled volatile organic compounds in pediatric asthma. <i>Pediatric Pulmonology</i> , 2017, 52, 1616-1627.	2.0	78
139	Respiratory research networks in Europe and beyond: aims, achievements and aspirations for the 21st century. <i>Breathe</i> , 2017, 13, 209-215.	1.3	2
140	Classification of patients with sepsis according to blood genomic endotype: a prospective cohort study. <i>Lancet Respiratory Medicine</i> , 2017, 5, 816-826.	10.7	381
141	Risk stratification using SpO ₂ /FiO ₂ and PEEP at initial ARDS diagnosis and after 24h in patients with moderate or severe ARDS. <i>Annals of Intensive Care</i> , 2017, 7, 108.	4.6	28
142	Intensive care unit patients with lower respiratory tract nosocomial infections: the ENIRRI project. <i>ERJ Open Research</i> , 2017, 3, 00092-2017.	2.6	22
143	Exhaled breath profiles in the monitoring of loss of control and clinical recovery in asthma. <i>Clinical and Experimental Allergy</i> , 2017, 47, 1159-1169.	2.9	83
144	High-flow nasal cannula in the postoperative period: is positive pressure the phantom of the OPERA trial?. <i>Intensive Care Medicine</i> , 2017, 43, 119-121.	8.2	6

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145	Will all ARDS patients be receiving mechanical ventilation in 2035? Yes. <i>Intensive Care Medicine</i> , 2017, 43, 568-569.	8.2	3
146	Incidence, Predictors, and Outcomes of New-Onset Atrial Fibrillation in Critically Ill Patients with Sepsis. A Cohort Study. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 205-211.	5.6	160
147	Increased incidence of co-infection in critically ill patients with influenza. <i>Intensive Care Medicine</i> , 2017, 43, 48-58.	8.2	159
148	Exhaled Breath Metabolomics for the Diagnosis of Pneumonia in Intubated and Mechanically-Ventilated Intensive Care Unit (ICU)-Patients. <i>International Journal of Molecular Sciences</i> , 2017, 18, 449.	4.1	49
149	New ECMC members. <i>Breathe</i> , 2017, 13, 51-52.	1.3	0
150	A new prediction score for critically ill patientsâ€”do we need an Apgar score for acute respiratory distress syndrome?. <i>Journal of Thoracic Disease</i> , 2017, 9, E142-E145.	1.4	0
151	Integrative research agenda for diagnosis in sepsis. <i>Annals of Translational Medicine</i> , 2017, 5, 454-454.	1.7	1
152	Airway microbiome research: a modern perspective on surveillance cultures?. <i>Annals of Translational Medicine</i> , 2017, 5, 445-445.	1.7	7
153	Preface from ERS President 2018 Mina Gaga and ERS Early-Career Member Committee Chair Lieuwe Bos. <i>Journal of Thoracic Disease</i> , 2017, 9, S1524-S1525.	1.4	0
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