Luciano Gattinoni

List of Publications by Year
in descending order

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418 papers	60,303 citations	1981 104 h-index	1142 237 g-index
430 all docs	430 docs citations	430 times ranked	24446 citing authors

#	Article	IF	Citations
1	Mechanisms of oxygenation responses to proning and recruitment in COVID-19 pneumonia. Intensive Care Medicine, 2022, 48, 56-66.	3.9	38
2	Prone Position and COVID-19: Mechanisms and Effects*. Critical Care Medicine, 2022, 50, 873-875.	0.4	12
3	Lung Ultrasound and Electrical Impedance Tomography During Ventilator-Induced Lung Injury*. Critical Care Medicine, 2022, 50, e630-e637.	0.4	10
4	Pathophysiology of coronavirus-19 disease acute lung injury. Current Opinion in Critical Care, 2022, 28, 9-16.	1.6	46
5	Breathing face down. British Journal of Anaesthesia, 2022, , .	1.5	0
6	Mechanical power thresholds during mechanical ventilation: An experimental study. Physiological Reports, 2022, 10, e15225.	0.7	15
7	In search of the Holy Grail: identifying the best PEEP in ventilated patients. Intensive Care Medicine, 2022, 48, 728-731.	3.9	13
8	Understanding base excess (BE): merits and pitfalls. Intensive Care Medicine, 2022, 48, 1080-1083.	3.9	5
9	Intracycle power distribution in a heterogeneous multi-compartmental mathematical model: possible links to strain and VILI. Intensive Care Medicine Experimental, 2022, 10, .	0.9	4
10	The physiological underpinnings of life-saving respiratory support. Intensive Care Medicine, 2022, 48, 1274-1286.	3.9	15
11	Long term feasibility of ultraprotective lung ventilation with low-flow extracorporeal carbon dioxide removal in ARDS patients. Journal of Critical Care, 2022, 71, 154092.	1.0	3
12	Hypoxaemia in COVID-19: many pieces to a complex puzzle. European Respiratory Review, 2022, 31, 220090.	3.0	3
13	Paradoxical response to chest wall loading predicts a favorable mechanical response to reduction in tidal volume or PEEP. Critical Care, 2022, 26, .	2.5	7
14	Reply to Tobin et al.: Respiratory Drive Measurements Do Not Signify Conjectural Patient Self-inflicted Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 143-144.	2.5	4
15	COVID-19 and ARDS: the baby lung size matters. Intensive Care Medicine, 2021, 47, 133-134.	3.9	20
16	Pathophysiology of COVID-19-associated acute respiratory distress syndrome. Lancet Respiratory Medicine,the, 2021, 9, e1.	5.2	22
17	â€œEstablishedâ€•Respiratory Treatment in Acute Respiratory Distress Syndrome: Scientific Rigor or a Square Peg in a Round Hole?. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 779-779.	2.5	0
18	Mobilizing Carbon Dioxide Stores. An Experimental Study. American Journal of Respiratory and Critical Care Medicine, 2021, 203, 318-327.	2.5	17

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19	Complexity and unanswered questions in the pathophysiology of COVID-19 ARDS. Intensive Care Medicine, 2021, 47, 495-496.	3.9	6
20	Endothelial damage in septic shock patients as evidenced by circulating syndecan-1, sphingosine-1-phosphate and soluble VE-cadherin: a substudy of ALBIOS. Critical Care, 2021, 25, 113.	2.5	36
21	Prevalence and outcome of silent hypoxemia in COVID-19. Minerva Anestesiologica, 2021, 87, 325-333.	0.6	49
22	Inhalationally Administered Semifluorinated Alkanes (SFAs) as Drug Carriers in an Experimental Model of Acute Respiratory Distress Syndrome. Pharmaceutics, 2021, 13, 431.	2.0	2
23	The impact of ventilationâ€“perfusion inequality in COVID-19: a computational model. Journal of Applied Physiology, 2021, 130, 865-876.	1.2	52
24	Intra-cycle power: is the flow profile a neglected component of lung protection?. Intensive Care Medicine, 2021, 47, 609-611.	3.9	16
25	End-tidal to arterial PCO2 ratio: a bedside meter of the overall gas exchanger performance. Intensive Care Medicine Experimental, 2021, 9, 21.	0.9	15
26	Death in hospital following ICU discharge: insights from the LUNG SAFE study. Critical Care, 2021, 25, 144.	2.5	12
27	Personalized mechanical ventilation in acute respiratory distress syndrome. Critical Care, 2021, 25, 250.	2.5	97
28	The 4DPRR Index and Mechanical Power: A Step Ahead or Four Steps Backward?. American Journal of Respiratory and Critical Care Medicine, 2021, 204, 491-492.	2.5	3
29	Albumin Oxidation Status in Sepsis Patients Treated With Albumin or Crystalloids. Frontiers in Physiology, 2021, 12, 682877.	1.3	4
30	Acute respiratory distress syndrome. Lancet, The, 2021, 398, 622-637.	6.3	426
31	Low noncarbonic buffer power amplifies acute respiratory acid-base disorders in patients with sepsis: an in vitro study. Journal of Applied Physiology, 2021, 131, 464-473.	1.2	15
32	Role of total lung stress on the progression of early COVID-19 pneumonia. Intensive Care Medicine, 2021, 47, 1130-1139.	3.9	51
33	Isnâ€™t it time to abandon ARDS? The COVID-19 lesson. Critical Care, 2021, 25, 326.	2.5	27
34	Role of Fluid and Sodium Retention in Experimental Ventilator-Induced Lung Injury. Frontiers in Physiology, 2021, 12, 743153.	1.3	8
35	Using Artificial Intelligence for Automatic Segmentation of CT Lung Images in Acute Respiratory Distress Syndrome. Frontiers in Physiology, 2021, 12, 676118.	1.3	16
36	Standardised PaO2/FiO2 ratio in COVID-19: Added value or risky assumptions?. European Journal of Internal Medicine, 2021, 92, 31-33.	1.0	3

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37	Outcome of acute hypoxaemic respiratory failure: insights from the LUNG SAFE Study. European Respiratory Journal, 2021, 57, 2003317.	3.1	39
38	COVID-19 pneumonia: pathophysiology and management. European Respiratory Review, 2021, 30, 210138.	3.0	84
39	Intracycle power and ventilation mode as potential contributors to ventilator-induced lung injury. Intensive Care Medicine Experimental, 2021, 9, 55.	0.9	12
40	Extracorporeal Chloride Removal by Electrodialysis. A Novel Approach to Correct Acidemia. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 799-813.	2.5	16
41	Recruiting the Acutely Injured Lung: How and Why?. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 130-132.	2.5	16
42	Static and Dynamic Contributors to Ventilator-induced Lung Injury in Clinical Practice. Pressure, Energy, and Power. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 767-774.	2.5	135
43	Time-Course of Physiologic Variables During Extracorporeal Membrane Oxygenation and Outcome of Severe Acute Respiratory Distress Syndrome. ASAIO Journal, 2020, 66, 663-670.	0.9	9
44	Determinants of the esophageal-pleural pressure relationship in humans. Journal of Applied Physiology, 2020, 128, 78-86.	1.2	9
45	Pentraxin-3, Troponin T, N-Terminal Pro-B-Type Natriuretic Peptide in Septic Patients. Shock, 2020, 54, 675-680.	1.0	5
46	Physiological and quantitative CT-scan characterization of COVID-19 and typical ARDS: a matched cohort study. Intensive Care Medicine, 2020, 46, 2187-2196.	3.9	169
47	How to ventilate obese patients in the ICU. Intensive Care Medicine, 2020, 46, 2423-2435.	3.9	59
48	Response to Proning in Moderate to Severe Acute Respiratory Distress Syndrome: A New Talking Point in an Ongoing Conversation*. Critical Care Medicine, 2020, 48, 1889-1891.	0.4	1
49	Randomized controlled multicentre study of albumin replacement therapy in septic shock (ARISS): protocol for a randomized controlled trial. Trials, 2020, 21, 1002.	0.7	15
50	Intravenous fluid therapy in the perioperative and critical care setting: Executive summary of the International Fluid Academy (IFA). Annals of Intensive Care, 2020, 10, 64.	2.2	134
51	Time Course of Evolving Ventilator-Induced Lung Injury: The â€œShrinking Baby Lungâ€• Critical Care Medicine, 2020, 48, 1203-1209.	0.4	53
52	The Respiratory Drive: An Overlooked Tile of COVID-19 Pathophysiology. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 1079-1080.	2.5	40
53	Prone position in ARDS patients: why, when, how and for whom. Intensive Care Medicine, 2020, 46, 2385-2396.	3.9	243
54	Fluid administration and monitoring in ARDS: which management?. Intensive Care Medicine, 2020, 46, 2252-2264.	3.9	60

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55	Reply by Zanella et al. to Swenson. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 908-909.	2.5	2
56	From phenotypes to black holesâ€¦ and back. Intensive Care Medicine, 2020, 46, 1498-1499.	3.9	1
57	Learning from mistakes during the pandemic: the Lombardy lesson. Intensive Care Medicine, 2020, 46, 1622-1623.	3.9	27
58	â€œLess is Moreâ€•in mechanical ventilation. Intensive Care Medicine, 2020, 46, 780-782.	3.9	19
59	Changes in shunt, ventilation/perfusion mismatch, and lung aeration with PEEP in patients with ARDS: a prospective single-arm interventional study. Critical Care, 2020, 24, 111.	2.5	42
60	COVID-19 Does Not Lead to a â€œTypicalâ€•Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 1299-1300.	2.5	1,138
61	Identification of pathophysiological patterns for triage and respiratory support in COVID-19. Lancet Respiratory Medicine,the, 2020, 8, 752-754.	5.2	39
62	COVID-19 phenotypes: leading or misleading?. European Respiratory Journal, 2020, 56, 2002195.	3.1	20
63	Estimating the Damaging Power of High-Stress Ventilation. Respiratory Care, 2020, 65, 1046-1052.	0.8	10
64	Reply by Gattinoni et al. to Hedenstierna et al., to Maley et al., to Fowler et al., to Bhatia and Mohammed, to Bos, to Koumbourlis and Motoyama, and to Haouzi et al.. American Journal of Respiratory and Critical Care Medicine, 2020, 202, 628-630.	2.5	10
65	Body Position Alters Mechanical Power and Respiratory Mechanics During Thoracic Surgery. Anesthesia and Analgesia, 2020, 130, 391-401.	1.1	13
66	COVID-19 pneumonia: different respiratory treatments for different phenotypes?. Intensive Care Medicine, 2020, 46, 1099-1102.	3.9	1,443
67	Management of COVID-19 Respiratory Distress. JAMA - Journal of the American Medical Association, 2020, 323, 2329.	3.8	842
68	Gas exchange calculation may estimate changes in pulmonary blood flow during veno-arterial extracorporeal membrane oxygenation in a porcine model. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L1211-L1221.	1.3	13
69	COVID-19 pneumonia: ARDS or not?. Critical Care, 2020, 24, 154.	2.5	504
70	The baby lung and the COVID-19 era. Intensive Care Medicine, 2020, 46, 1438-1440.	3.9	39
71	Does Iso-mechanical Power Lead to Iso-lung Damage?. Anesthesiology, 2020, 132, 1126-1137.	1.3	39
72	Extracorporeal Membrane Oxygenation for Respiratory Failure. Anesthesiology, 2020, 132, 1257-1276.	1.3	37

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73	Spontaneous breathing, transpulmonary pressure and mathematical trickery. Annals of Intensive Care, 2020, 10, 88.	2.2	36
74	COVID-19: scientific reasoning, pragmatism and emotional bias. Annals of Intensive Care, 2020, 10, 134.	2.2	11
75	D-dimer corrected for thrombin and plasmin generation is a strong predictor of mortality in patients with sepsis. Blood Transfusion, 2020, 18, 304-311.	0.3	16
76	Monitoring lung impedance changes during long-term ventilator-induced lung injury ventilation using electrical impedance tomography. Physiological Measurement, 2020, 41, 095011.	1.2	8
77	Venous and arterial base excess difference: methodological error or physiological reality?. Intensive Care Medicine, 2019, 45, 1686-1687.	3.9	2
78	Targeting transpulmonary pressure to prevent ventilator-induced lung injury. Expert Review of Respiratory Medicine, 2019, 13, 737-746.	1.0	38
79	Extracorporeal CO2 Removal: The Minimally Invasive Approach, Theory, and Practice*. Critical Care Medicine, 2019, 47, 33-40.	0.4	36
80	How I wean patients from veno-venous extra-corporeal membrane oxygenation. Critical Care, 2019, 23, 316.	2.5	43
81	Beyond Tidal Volume in Acute Respiratory Distress Syndrome: Semiautomated Screening and Novel Ventilator Concepts. Annals of the American Thoracic Society, 2019, 16, 1238-1240.	1.5	1
82	Reply to Nalos and Robergs and to De Backer and Vincent. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1071-1072.	2.5	0
83	Breathing and Ventilation during Extracorporeal Membrane Oxygenation: How to Find the Balance between Rest and Load. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 954-956.	2.5	27
84	Extracorporeal gas exchange: when to start and how to end?. Critical Care, 2019, 23, 203.	2.5	31
85	Understanding Lactatemia in Human Sepsis. Potential Impact for Early Management. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 582-589.	2.5	90
86	Prone Positioning in Acute Respiratory Distress Syndrome. Seminars in Respiratory and Critical Care Medicine, 2019, 40, 094-100.	0.8	99
87	Positive End-expiratory Pressure and Mechanical Power. Anesthesiology, 2019, 130, 119-130.	1.3	80
88	Tailoring the cure: still science fiction?. Journal of Thoracic Disease, 2019, 11, E32-E33.	0.6	0
89	Respiratory Mechanics, Lung Recruitability, and Gas Exchange in Pulmonary and Extrapulmonary Acute Respiratory Distress Syndrome. Critical Care Medicine, 2019, 47, 792-799.	0.4	29
90	Quality of Life and Lung Function in Survivors of Extracorporeal Membrane Oxygenation for Acute Respiratory Distress Syndrome. Anesthesiology, 2019, 130, 572-580.	1.3	33

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91	Intraoperative hypotension is not associated with postoperative cognitive dysfunction in elderly patients undergoing general anesthesia for surgery: results of a randomized controlled pilot trial. Journal of Clinical Anesthesia, 2019, 52, 111-118.	0.7	45
92	Low D-dimer levels in sepsis: Good or bad?. Thrombosis Research, 2019, 174, 13-15.	0.8	30
93	Mechanical power at a glance: a simple surrogate for volume-controlled ventilation. Intensive Care Medicine Experimental, 2019, 7, 61.	0.9	65
94	Time to Rethink the Approach to Treating Acute Respiratory Distress Syndrome. JAMA - Journal of the American Medical Association, 2018, 319, 664.	3.8	16
95	Prognostic Value of Secretoneurin in Patients With Severe Sepsis and Septic Shock. Critical Care Medicine, 2018, 46, e404-e410.	0.4	23
96	Energetics and the Root Mechanical Cause for Ventilator-induced Lung Injury. Anesthesiology, 2018, 128, 1062-1064.	1.3	24
97	Reclassifying Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2018, 197, 1586-1595.	2.5	87
98	Platelet Drop and Fibrinolytic Shutdown in Patients With Sepsis. Critical Care Medicine, 2018, 46, e221-e228.	0.4	65
99	New insights in mechanical ventilation. Medizinische Klinik - Intensivmedizin Und Notfallmedizin, 2018, 113, 1-1.	0.4	0
100	An Innovative Approach for The Integration of Proteomics and Metabolomics Data In Severe Septic Shock Patients Stratified for Mortality. Scientific Reports, 2018, 8, 6681.	1.6	28
101	Understanding blood gas analysis. Intensive Care Medicine, 2018, 44, 91-93.	3.9	42
102	Intensive care medicine in 2050: ventilator-induced lung injury. Intensive Care Medicine, 2018, 44, 76-78.	3.9	22
103	Looking beyond macroventilatory parameters and rethinking ventilator-induced lung injury. Journal of Applied Physiology, 2018, 124, 1214-1218.	1.2	12
104	Does high PEEP prevent alveolar cycling?. Medizinische Klinik - Intensivmedizin Und Notfallmedizin, 2018, 113, 7-12.	0.4	10
105	Atelectrauma or volutrauma: the dilemma. Journal of Thoracic Disease, 2018, 10, 1258-1264.	0.6	18
106	Is the mechanical power the final word on ventilator-induced lung injury?â€”we are not sure. Annals of Translational Medicine, 2018, 6, 395-395.	0.7	25
107	Inflammation and primary graft dysfunction after lung transplantation: CT-PET findings. Minerva Anestesiologica, 2018, 84, 1169-1177.	0.6	4
108	Septic shock-3 vs 2: an analysis of the ALBIOS study. Critical Care, 2018, 22, 237.	2.5	17

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109	Volutrauma and atelectrauma: which is worse?. Critical Care, 2018, 22, 264.	2.5	39
110	Benefits and risks of the P/F approach. Intensive Care Medicine, 2018, 44, 2245-2247.	3.9	25
111	Protecting the Ventilated Lung: Vascular Surge and Deflation Energetics. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 1112-1114.	2.5	8
112	Persistence of Central Venous Oxygen Desaturation During Early Sepsis Is Associated With Higher Mortality. Chest, 2018, 154, 1291-1300.	0.4	18
113	Last Word on Viewpoint: Looking beyond macrovenitlatory parameters and rethinking ventilator-induced lung injury. Journal of Applied Physiology, 2018, 124, 1220-1221.	1.2	2
114	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
115	Circulating Proenkephalin, Acute Kidney Injury, and Its Improvement in Patients with Severe Sepsis or Shock. Clinical Chemistry, 2018, 64, 1361-1369.	1.5	31
116	Use of ECMO in ARDS: does the EOLIA trial really help?. Critical Care, 2018, 22, 171.	2.5	54
117	Positional effects on the distributions of ventilation and end-expiratory gas volume in the asymmetric chestâ€"a quantitative lung computed tomographic analysis. Intensive Care Medicine Experimental, 2018, 6, 9.	0.9	2
118	Thromboelastography-based anticoagulation management during extracorporeal membrane oxygenation: a safety and feasibility pilot study. Annals of Intensive Care, 2018, 8, 7.	2.2	92
119	Antipathy against SDD is justified: We are not sure. Intensive Care Medicine, 2018, 44, 1174-1176.	3.9	0
120	Determinants and Prevention of Ventilator-Induced Lung Injury. Critical Care Clinics, 2018, 34, 343-356.	1.0	31
121	Extracorporeal Gas Exchange. Critical Care Clinics, 2018, 34, 413-422.	1.0	7
122	Ventilation-induced lung injury exists in spontaneously breathing patients with acute respiratory failure: We are not sure. Intensive Care Medicine, 2017, 43, 256-258.	3.9	10
123	Opening pressures and atelectrauma in acute respiratory distress syndrome. Intensive Care Medicine, 2017, 43, 603-611.	3.9	96
124	Evidence or belief-based medicine? Ten doubts. Intensive Care Medicine, 2017, 43, 1392-1394.	3.9	2
125	Volutrauma, Atelectrauma, and Mechanical Power. Critical Care Medicine, 2017, 45, e327-e328.	0.4	22
126	Circulating Biologically Active Adrenomedullin (bio-ADM) Predicts Hemodynamic Support Requirement and Mortality During Sepsis. Chest, 2017, 152, 312-320.	0.4	59

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127	Transpulmonary Pressure Meaning: Babel or Conceptual Evolution?. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1404-1405.	2.5	7
128	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
129	Reply: Lung Recruitment Assessment. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 1276-1277.	2.5	0
130	Spontaneous Breathing during Extracorporeal Membrane Oxygenation in Acute Respiratory Failure. Anesthesiology, 2017, 126, 678-687.	1.3	87
131	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
132	How best to set the ventilator on extracorporeal membrane lung oxygenation. Current Opinion in Critical Care, 2017, 23, 66-72.	1.6	27
133	Mechanical Ventilation in Adults with Acute Respiratory Distress Syndrome. Summary of the Experimental Evidence for the Clinical Practice Guideline. Annals of the American Thoracic Society, 2017, 14, S261-S270.	1.5	47
134	Randomized, multicenter trial of lateral Trendelenburg versus semirecumbent body position for the prevention of ventilator-associated pneumonia. Intensive Care Medicine, 2017, 43, 1572-1584.	3.9	36
135	Do we need randomized clinical trials in extracorporeal respiratory support? No. Intensive Care Medicine, 2017, 43, 1866-1868.	3.9	4
136	Discussion on â€œOpening pressures and atelectrauma in acute respiratory distress syndromeâ€. Intensive Care Medicine, 2017, 43, 1936-1937.	3.9	0
137	Optimum support by high-flow nasal cannula in acute hypoxemic respiratory failure: effects of increasing flow rates. Intensive Care Medicine, 2017, 43, 1453-1463.	3.9	180
138	The intensive care medicine research agenda for airways, invasive and noninvasive mechanical ventilation. Intensive Care Medicine, 2017, 43, 1352-1365.	3.9	41
139	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
140	Will all ARDS patients be receiving mechanical ventilation in 2035? We are not sure. Intensive Care Medicine, 2017, 43, 573-574.	3.9	4
141	Intensive care medicine in 2050: the future of ICU treatments. Intensive Care Medicine, 2017, 43, 1401-1402.	3.9	14
142	Pentraxin 3 in patients with severe sepsis or shock: the ALBIOS trial. European Journal of Clinical Investigation, 2017, 47, 73-83.	1.7	71
143	The future of mechanical ventilation: lessons from the present and the past. Critical Care, 2017, 21, 183.	2.5	176
144	WHO Needs High FIO2?. Turkish Journal of Anaesthesiology and Reanimation, 2017, 45, 181-192.	0.8	28

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145	Driving pressure and mechanical power: new targets for VILI prevention. Annals of Translational Medicine, 2017, 5, 286-286.	0.7	170
146	Respiratory support in patients with acute respiratory distress syndrome: an expert opinion. Critical Care, 2017, 21, 240.	2.5	84
147	Regional physiology of ARDS. Critical Care, 2017, 21, 312.	2.5	73
148	Effects of regional perfusion block in healthy and injured lungs. Intensive Care Medicine Experimental, 2017, 5, 46.	0.9	5
149	Positive end-expiratory pressure: how to set it at the individual level. Annals of Translational Medicine, 2017, 5, 288-288.	0.7	73
150	Prevalence of â€œFlat-Lineâ€•Thromboelastography During Extracorporeal Membrane Oxygenation for Respiratory Failure in Adults. ASAIO Journal, 2016, 62, 302-309.	0.9	35
151	â€œAwakeâ€•extracorporeal membrane oxygenation (ECMO): pathophysiology, technical considerations, and clinical pioneering. Critical Care, 2016, 20, 150.	2.5	151
152	Role of Strain Rate in the Pathogenesis of Ventilator-Induced Lung Edema*. Critical Care Medicine, 2016, 44, e838-e845.	0.4	112
153	Role of albumin, starches and gelatins versus crystalloids in volume resuscitation of critically ill patients. Current Opinion in Critical Care, 2016, 22, 428-436.	1.6	24
154	Imaging in acute respiratory distress syndrome. Intensive Care Medicine, 2016, 42, 686-698.	3.9	104
155	Designing phase 3 sepsis trials: application of learned experiences from critical care trials in acute heart failure. Journal of Intensive Care, 2016, 4, 24.	1.3	38
156	How ARDS should be treated. Critical Care, 2016, 20, 86.	2.5	31
157	How safe is gelatin? A systematic review and meta-analysis of gelatin-containing plasma expanders vs crystalloids and albumin. Journal of Critical Care, 2016, 35, 75-83.	1.0	129
158	Ultra-protective ventilation and hypoxemia. Critical Care, 2016, 20, 130.	2.5	35
159	Improved survival in critically ill patients: are large RCTs more useful than personalized medicine? We are not sure. Intensive Care Medicine, 2016, 42, 1781-1783.	3.9	5
160	Successful Transplantation of Lungs From an Uncontrolled Donor After Circulatory Death Preserved In Situ by Alveolar Recruitment Maneuvers and Assessed by Ex Vivo Lung Perfusion. American Journal of Transplantation, 2016, 16, 1312-1318.	2.6	65
161	Ventilator-related causes of lung injury: the mechanical power. Intensive Care Medicine, 2016, 42, 1567-1575.	3.9	586
162	Real-time urinary electrolyte monitoring after furosemide administration in surgical ICU patients with normal renal function. Annals of Intensive Care, 2016, 6, 72.	2.2	20

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163	Assessment of oxygenation response to prone position ventilation in ARDS by lung ultrasonography. Intensive Care Medicine, 2016, 42, 1601-1603.	3.9	14
164	Mortality prediction in patients with severe septic shock: a pilot study using a target metabolomics approach. Scientific Reports, 2016, 6, 20391.	1.6	126
165	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
166	F<scp>ifty</scp> Y<scp>ears</scp> <scp>of</scp> R<scp>esearch</scp> <scp>in</scp> ARDS Why Is Acute Respiratory Distress Syndrome So Important for Critical Care?. American Journal of Respiratory and Critical Care Medicine, 2016, 194, 1051-1052.	2.5	15
167	In Reply. Anesthesiology, 2016, 125, 1071-1072.	1.3	0
168	Sequential N-Terminal Pro-B-Type Natriuretic Peptide and High-Sensitivity Cardiac Troponin Measurements During Albumin Replacement in Patients With Severe Sepsis or Septic Shock*. Critical Care Medicine, 2016, 44, 707-716.	0.4	75
169	Skeletal muscle lactate overproduction during metformin intoxication: An animal study with reverse microdialysis. Toxicology Letters, 2016, 255, 43-46.	0.4	8
170	Mechanical Power and Development of Ventilator-induced Lung Injury. Anesthesiology, 2016, 124, 1100-1108.	1.3	305
171	Esophageal and transpulmonary pressure in the clinical setting: meaning, usefulness and perspectives. Intensive Care Medicine, 2016, 42, 1360-1373.	3.9	352
172	Deterioration of Lung Function in a Pig Model of Uncontrolled Cardiac Death. Transplantation Proceedings, 2016, 48, 431-434.	0.3	0
173	Reply: Different Definitions of Lung Recruitment by Computed Tomography Scan. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 1315-1316.	2.5	1
174	The German ECMO inflation: when things other than health and care begin to rule medicine. Intensive Care Medicine, 2016, 42, 1264-1266.	3.9	34
175	In Reply. Anesthesiology, 2016, 124, 736-737.	1.3	0
176	Impaired dynamics of clot formation and hypofibrinolysis in severe sepsis are coexisting and strictly related. Intensive Care Medicine, 2016, 42, 622-623.	3.9	1
177	The "baby lung" became an adult. Intensive Care Medicine, 2016, 42, 663-673.	3.9	206
178	Venovenous extracorporeal membrane oxygenation for acute respiratory failure. Intensive Care Medicine, 2016, 42, 712-724.	3.9	136
179	Is mechanical ventilation a cure for ARDS?. Intensive Care Medicine, 2016, 42, 916-917.	3.9	11
180	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

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181	Effect of body mass index in acute respiratory distress syndrome. British Journal of Anaesthesia, 2016, 116, 113-121.	1.5	34
182	Lung Recruitment Assessed by Respiratory Mechanics and Computed Tomography in Patients with Acute Respiratory Distress Syndrome. What Is the Relationship?. American Journal of Respiratory and Critical Care Medicine, 2016, 193, 1254-1263.	2.5	111
183	Lung inhomogeneities, inflation and [¹⁸F]2-fluoro-2-deoxy-D-glucose uptake rate in acute respiratory distress syndrome. European Respiratory Journal, 2016, 47, 233-242.	3.1	48
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