

# Alexander P Vlaar

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/4049293/alexander-p-vlaar-publications-by-citations.pdf>

**Version:** 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

179  
papers

5,500  
citations

31  
h-index

71  
g-index

201  
ext. papers

7,401  
ext. citations

6.2  
avg, IF

5.91  
L-index

#	Paper	IF	Citations
179	Incidence of venous thromboembolism in hospitalized patients with COVID-19. <i>Journal of Thrombosis and Haemostasis</i> , <b>2020</b> , 18, 1995-2002	15.4	818
178	Risk factors and outcome of transfusion-related acute lung injury in the critically ill: a nested case-control study. <i>Critical Care Medicine</i> , <b>2010</b> , 38, 771-8	1.4	649
177	Ventilation with lower tidal volumes as compared with conventional tidal volumes for patients without acute lung injury: a preventive randomized controlled trial. <i>Critical Care</i> , <b>2010</b> , 14, R1	10.8	319
176	Viral presence and immunopathology in patients with lethal COVID-19: a prospective autopsy cohort study. <i>Lancet Microbe, The</i> , <b>2020</b> , 1, e290-e299	22.2	245
175	Transfusion-related acute lung injury: a clinical review. <i>Lancet, The</i> , <b>2013</b> , 382, 984-94	40	238
174	Coronary Angiography after Cardiac Arrest without ST-Segment Elevation. <i>New England Journal of Medicine</i> , <b>2019</b> , 380, 1397-1407	59.2	192
173	Mechanical ventilation using non-injurious ventilation settings causes lung injury in the absence of pre-existing lung injury in healthy mice. <i>Critical Care</i> , <b>2009</b> , 13, R1	10.8	166
172	The incidence, risk factors, and outcome of transfusion-related acute lung injury in a cohort of cardiac surgery patients: a prospective nested case-control study. <i>Blood</i> , <b>2011</b> , 117, 4218-25	2.2	143
171	Supernatant of aged erythrocytes causes lung inflammation and coagulopathy in a "two-hit" in vivo syngeneic transfusion model. <i>Anesthesiology</i> , <b>2010</b> , 113, 92-103	4.3	103
170	Ventilation management and clinical outcomes in invasively ventilated patients with COVID-19 (PRoVENT-COVID): a national, multicentre, observational cohort study. <i>Lancet Respiratory Medicine, the</i> , <b>2021</b> , 9, 139-148	35.1	101
169	Effect of a Machine Learning-Derived Early Warning System for Intraoperative Hypotension vs Standard Care on Depth and Duration of Intraoperative Hypotension During Elective Noncardiac Surgery: The HYPE Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , <b>2020</b> , 323, 1052-1060	27.4	99
168	Ventilator-induced lung injury is mediated by the NLRP3 inflammasome. <i>Anesthesiology</i> , <b>2012</b> , 116, 1104-15	4.5	98
167	Afucosylated IgG characterizes enveloped viral responses and correlates with COVID-19 severity. <i>Science</i> , <b>2021</b> , 371,	33.3	98
166	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, The</i> , <b>2020</b> , 2, e764-e773	14.2	83
165	Supernatant of stored platelets causes lung inflammation and coagulopathy in a novel in vivo transfusion model. <i>Blood</i> , <b>2010</b> , 116, 1360-8	2.2	80
164	Antibody-mediated transfusion-related acute lung injury; from discovery to prevention. <i>British Journal of Haematology</i> , <b>2015</b> , 170, 597-614	4.5	69
163	A consensus redefinition of transfusion-related acute lung injury. <i>Transfusion</i> , <b>2019</b> , 59, 2465-2476	2.9	68

162	Subphenotyping Acute Respiratory Distress Syndrome in Patients with COVID-19: Consequences for Ventilator Management. <i>Annals of the American Thoracic Society</i> , <b>2020</b> , 17, 1161-1163	4.7	57
161	Transfusion-related acute lung injury in cardiac surgery patients is characterized by pulmonary inflammation and coagulopathy: a prospective nested case-control study. <i>Critical Care Medicine</i> , <b>2012</b> , 40, 2813-20	1.4	55
160	High titers and low fucosylation of early human anti-SARS-CoV-2 IgG promote inflammation by alveolar macrophages. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	54
159	Pathogenesis of non-antibody mediated transfusion-related acute lung injury from bench to bedside. <i>Blood Reviews</i> , <b>2015</b> , 29, 51-61	11.1	52
158	Mechanical ventilation aggravates transfusion-related acute lung injury induced by MHC-I class antibodies. <i>Intensive Care Medicine</i> , <b>2010</b> , 36, 879-87	14.5	46
157	Transfusion-related risk of secondary bacterial infections in sepsis patients: a retrospective cohort study. <i>Shock</i> , <b>2011</b> , 35, 355-9	3.4	43
156	Low-risk transfusion-related acute lung injury donor strategies and the impact on the onset of transfusion-related acute lung injury: a meta-analysis. <i>Transfusion</i> , <b>2015</b> , 55, 164-75	2.9	42
155	Neutrophil subset responses in infants with severe viral respiratory infection. <i>Clinical Immunology</i> , <b>2017</b> , 176, 100-106	9	40
154	Blood transfusion during cardiac surgery is associated with inflammation and coagulation in the lung: a case control study. <i>Critical Care</i> , <b>2011</b> , 15, R59	10.8	39
153	A survey of physicians' reasons to transfuse plasma and platelets in the critically ill: a prospective single-centre cohort study. <i>Transfusion Medicine</i> , <b>2009</b> , 19, 207-12	1.3	39
152	Transfusion strategies in non-bleeding critically ill adults: a clinical practice guideline from the European Society of Intensive Care Medicine. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 673-696	14.5	34
151	Pulmonary activation of coagulation and inhibition of fibrinolysis after burn injuries and inhalation trauma. <i>Journal of Trauma</i> , <b>2011</b> , 70, 1389-97		32
150	Cumulative fluid balance predicts mortality and increases time on mechanical ventilation in ARDS patients: An observational cohort study. <i>PLoS ONE</i> , <b>2019</b> , 14, e0224563	3.7	31
149	High levels of S100A8/A9 proteins aggravate ventilator-induced lung injury via TLR4 signaling. <i>PLoS ONE</i> , <b>2013</b> , 8, e68694	3.7	31
148	Accumulation of bioactive lipids during storage of blood products is not cell but plasma derived and temperature dependent. <i>Transfusion</i> , <b>2011</b> , 51, 2358-66	2.9	31
147	Nebulized anticoagulants limit pulmonary coagulopathy, but not inflammation, in a model of experimental lung injury. <i>Journal of Aerosol Medicine and Pulmonary Drug Delivery</i> , <b>2010</b> , 23, 105-11	3.8	31
146	Nebulized antithrombin limits bacterial outgrowth and lung injury in <i>Streptococcus pneumoniae</i> pneumonia in rats. <i>Critical Care</i> , <b>2009</b> , 13, R145	10.8	31
145	Recombinant human soluble tumor necrosis factor-alpha receptor fusion protein partly attenuates ventilator-induced lung injury. <i>Shock</i> , <b>2009</b> , 31, 262-6	3.4	30

144	Anti-SARS-CoV-2 IgG from severely ill COVID-19 patients promotes macrophage hyper-inflammatory responses		30
143	Transfusion of 35-Day Stored RBCs in the Presence of Endotoxemia Does Not Result in Lung Injury in Humans. <i>Critical Care Medicine</i> , <b>2016</b> , 44, e412-9	1.4	30
142	The age of red blood cells is associated with bacterial infections in critically ill trauma patients. <i>Blood Transfusion</i> , <b>2012</b> , 10, 290-5	3.6	29
141	Biomarkers for the prediction of venous thromboembolism in critically ill COVID-19 patients. <i>Thrombosis Research</i> , <b>2020</b> , 196, 308-312	8.2	29
140	Transfusion-related acute lung injury: Current understanding and preventive strategies. <i>Transfusion Clinique Et Biologique</i> , <b>2012</b> , 19, 117-24	1.9	28
139	Recombinant human activated protein C in the treatment of acute respiratory distress syndrome: a randomized clinical trial. <i>PLoS ONE</i> , <b>2014</b> , 9, e90983	3.7	28
138	Diaphragm Pathology in Critically Ill Patients With COVID-19 and Postmortem Findings From 3 Medical Centers. <i>JAMA Internal Medicine</i> , <b>2021</b> , 181, 122-124	11.5	28
137	The effect of blood transfusion on pulmonary permeability in cardiac surgery patients: a prospective multicenter cohort study. <i>Transfusion</i> , <b>2012</b> , 52, 82-90	2.9	27
136	Familial Brugada syndrome uncovered by hyperkalaemic diabetic ketoacidosis. <i>Europace</i> , <b>2011</b> , 13, 1509-1510	3.0	27
135	A guide to immunotherapy for COVID-19.. <i>Nature Medicine</i> , <b>2022</b> ,	50.5	27
134	Development of a SARS-CoV-2 Total Antibody Assay and the Dynamics of Antibody Response over Time in Hospitalized and Nonhospitalized Patients with COVID-19. <i>Journal of Immunology</i> , <b>2020</b> , 205, 3491-3499	5.3	26
133	Incidence, risk factors, and outcome of transfusion-associated circulatory overload in a mixed intensive care unit population: a nested case-control study. <i>Transfusion</i> , <b>2018</b> , 58, 498-506	2.9	25
132	ICU capacity management during the COVID-19 pandemic using a process simulation. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 1624-1626	14.5	23
131	Estimating mean circulatory filling pressure in clinical practice: a systematic review comparing three bedside methods in the critically ill. <i>Annals of Intensive Care</i> , <b>2018</b> , 8, 73	8.9	23
130	Transfusion practice in the non-bleeding critically ill: an international online survey-the TRACE survey. <i>Critical Care</i> , <b>2019</b> , 23, 309	10.8	21
129	Transfusion-Associated Circulatory Overload: A Clinical Perspective. <i>Transfusion Medicine Reviews</i> , <b>2019</b> , 33, 69-77	7.4	21
128	Soluble urokinase-type plasminogen activator receptor levels in patients with burn injuries and inhalation trauma requiring mechanical ventilation: an observational cohort study. <i>Critical Care</i> , <b>2011</b> , 15, R270	10.8	21
127	A cross-cultural study of pain intensity in Egyptian and Dutch women with rheumatoid arthritis. <i>Journal of Pain</i> , <b>2007</b> , 8, 730-6	5.2	21

126	Clinical features and prognostic factors in Covid-19: A prospective cohort study. <i>EBioMedicine</i> , <b>2021</b> , 67, 103378	8.8	21
125	Y-RNA subtype ratios in plasma extracellular vesicles are cell type- specific and are candidate biomarkers for inflammatory diseases. <i>Journal of Extracellular Vesicles</i> , <b>2020</b> , 9, 1764213	16.4	20
124	Pre-treatment with allopurinol or uricase attenuates barrier dysfunction but not inflammation during murine ventilator-induced lung injury. <i>PLoS ONE</i> , <b>2012</b> , 7, e50559	3.7	20
123	Early initiation of extracorporeal life support in refractory out-of-hospital cardiac arrest: Design and rationale of the INCEPTION trial. <i>American Heart Journal</i> , <b>2019</b> , 210, 58-68	4.9	20
122	Central venous catheter placement in coagulopathic patients: risk factors and incidence of bleeding complications. <i>Transfusion</i> , <b>2017</b> , 57, 2512-2525	2.9	19
121	In the critically ill patient, diabetes predicts mortality independent of statin therapy but is not associated with acute lung injury: a cohort study. <i>Critical Care Medicine</i> , <b>2012</b> , 40, 1835-43	1.4	19
120	The practice of reporting transfusion-related acute lung injury: a national survey among clinical and preclinical disciplines. <i>Transfusion</i> , <b>2010</b> , 50, 443-51	2.9	19
119	The impact of changes in intensive care organization on patient outcome and cost-effectiveness-a narrative review. <i>Journal of Intensive Care</i> , <b>2017</b> , 5, 13	7	18
118	Preventing TRALI: ladies first, what follows?. <i>Critical Care Medicine</i> , <b>2008</b> , 36, 3283-4; author reply 3284	1.4	18
117	Correction of subclinical coagulation disorders before percutaneous dilatational tracheotomy. <i>Blood Transfusion</i> , <b>2012</b> , 10, 213-20	3.6	17
116	Glucose-6-phosphate dehydrogenase activity decreases during storage of leukoreduced red blood cells. <i>Transfusion</i> , <b>2016</b> , 56, 427-32	2.9	17
115	Nebulized fibrinolytic agents improve pulmonary fibrinolysis but not inflammation in rat models of direct and indirect acute lung injury. <i>PLoS ONE</i> , <b>2013</b> , 8, e55262	3.7	15
114	Transfusion-associated circulatory overload-a systematic review of diagnostic biomarkers. <i>Transfusion</i> , <b>2019</b> , 59, 795-805	2.9	15
113	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> , <b>2020</b> , 8, 1251	3.2	14
112	Coronary Angiography After Cardiac Arrest Without ST Segment Elevation: One-Year Outcomes of the COACT Randomized Clinical Trial. <i>JAMA Cardiology</i> , <b>2020</b> , 5, 1358-1365	16.2	14
111	Long-Term Outcome of Patients With a Hematologic Malignancy and Multiple Organ Failure Admitted at the Intensive Care. <i>Critical Care Medicine</i> , <b>2019</b> , 47, e120-e128	1.4	14
110	Clearance of stored red blood cells is not increased compared with fresh red blood cells in a human endotoxemia model. <i>Transfusion</i> , <b>2016</b> , 56, 1362-9	2.9	13
109	The Role of Complement in Transfusion-Related Acute Lung Injury. <i>Transfusion Medicine Reviews</i> , <b>2019</b> , 33, 236-242	7.4	13

108	The validity and reliability of the graphic rating scale and verbal rating scale for measuring pain across cultures: a study in Egyptian and Dutch women with rheumatoid arthritis. <i>Clinical Journal of Pain</i> , <b>2006</b> , 22, 827-30	3.5	13
107	The role of endothelium in the onset of antibody-mediated TRALI. <i>Blood Reviews</i> , <b>2018</b> , 32, 1-7	11.1	13
106	Prophylactic platelet transfusion prior to central venous catheter placement in patients with thrombocytopenia: study protocol for a randomised controlled trial. <i>Trials</i> , <b>2018</b> , 19, 127	2.8	11
105	Possible TRALI is a real entity. <i>Transfusion</i> , <b>2017</b> , 57, 2539-2541	2.9	11
104	Prevention of immune-mediated transfusion-related acute lung injury; from bloodbank to patient. <i>Current Pharmaceutical Design</i> , <b>2012</b> , 18, 3241-8	3.3	11
103	Antibody responses against SARS-CoV-2 variants induced by four different SARS-CoV-2 vaccines in health care workers in the Netherlands: A prospective cohort study.. <i>PLoS Medicine</i> , <b>2022</b> , 19, e1003991	11.6	11
102	Antibodies to biotinylated red blood cells in adults and infants: improved detection, partial characterization, and dependence on red blood cell-biotin dose. <i>Transfusion</i> , <b>2017</b> , 57, 1488-1496	2.9	10
101	Redefining transfusion-related acute lung injury: don't throw the baby out with the bathwater. <i>Transfusion</i> , <b>2016</b> , 56, 2384-8	2.9	10
100	Nebulized anticoagulants limit coagulopathy but not inflammation in pseudomonas aeruginosa-induced pneumonia in rats. <i>Shock</i> , <b>2011</b> , 36, 417-23	3.4	10
99	Underdiagnosing of antibody-mediated transfusion-related acute lung injury: evaluation of cellular-based versus bead-based techniques. <i>Vox Sanguinis</i> , <b>2016</b> , 111, 71-8	3.1	10
98	Time trend analysis of long term outcome of patients with haematological malignancies admitted at dutch intensive care units. <i>British Journal of Haematology</i> , <b>2018</b> , 181, 68-76	4.5	9
97	Transfusion strategies in bleeding critically ill adults: a clinical practice guideline from the European Society of Intensive Care Medicine. <i>Intensive Care Medicine</i> , <b>2021</b> , 47, 1368-1392	14.5	9
96	Transfusion in the mechanically ventilated patient. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 2450-2457	14.5	9
95	A method for red blood cell biotinylation in a closed system. <i>Transfusion</i> , <b>2018</b> , 58, 896-904	2.9	8
94	RELAX - REstricted versus Liberal positive end-expiratory pressure in patients without ARDS: protocol for a randomized controlled trial. <i>Trials</i> , <b>2018</b> , 19, 272	2.8	8
93	Soluble receptor for advanced glycation end products as an indicator of pulmonary vascular injury after cardiac surgery. <i>BMC Pulmonary Medicine</i> , <b>2013</b> , 13, 76	3.5	8
92	Transfusion of 35-day stored red blood cells does not result in increase of plasma non-transferrin bound iron in human endotoxemia. <i>Transfusion</i> , <b>2017</b> , 57, 53-59	2.9	8
91	A Higher Fluid Balance in the Days After Septic Shock Reversal Is Associated With Increased Mortality: An Observational Cohort Study <b>2020</b> , 2, e0219		8

90	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> , <b>2017</b> , 11, 026003	3.1	7
89	Vasopressors and Inotropes in Acute Myocardial Infarction Related Cardiogenic Shock: A Systematic Review and Meta-Analysis. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	7
88	Platelet-independent adhesion of calcium-loaded erythrocytes to von Willebrand factor. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173077	3.7	7
87	Volume incompliance and transfusion are essential for transfusion-associated circulatory overload: a novel animal model. <i>Transfusion</i> , <b>2019</b> , 59, 3617-3627	2.9	7
86	Comparison of Spectrophotometry, Chromate Inhibition, and Cytofluorometry Versus Gene Sequencing for Detection of Heterozygously Glucose-6-Phosphate Dehydrogenase-Deficient Females. <i>Journal of Histochemistry and Cytochemistry</i> , <b>2017</b> , 65, 627-636	3.4	7
85	Early intravenous unfractionated heparin and outcome in acute lung injury and acute respiratory distress syndrome: a retrospective propensity matched cohort study. <i>BMC Pulmonary Medicine</i> , <b>2012</b> , 12, 43	3.5	7
84	Histochemical detection of ischemia-like alterations induced in kidney tissue in vitro--different sensitivity to oxidant stress of glomerular ENTPD1 versus E5NT. <i>Nephron Physiology</i> , <b>2009</b> , 111, p1-8		7
83	Determinants of transfusion decisions in a mixed medical-surgical intensive care unit: a prospective cohort study. <i>Blood Transfusion</i> , <b>2009</b> , 7, 106-10	3.6	7
82	Lipoprotein(a), venous thromboembolism and COVID-19: A pilot study.. <i>Atherosclerosis</i> , <b>2021</b> , 341, 43-49	3.1	7
81	ICU Capacity Management During the COVID-19 Pandemic Using a Stochastic Process Simulation. <i>SSRN Electronic Journal</i> ,	1	7
80	One of the first validations of an artificial intelligence algorithm for clinical use: The impact on intraoperative hypotension prediction and clinical decision-making. <i>Surgery</i> , <b>2021</b> , 169, 1300-1303	3.6	7
79	Transfusion of 35-day-stored red blood cells does not alter lipopolysaccharide tolerance during human endotoxemia. <i>Transfusion</i> , <b>2017</b> , 57, 1359-1368	2.9	6
78	Plasminogen activator inhibitor-type I gene deficient mice show reduced influx of neutrophils in ventilator-induced lung injury. <i>Critical Care Research and Practice</i> , <b>2011</b> , 2011, 217896	1.5	6
77	Long-term 5-year outcome of the randomized IMPRESS in severe shock trial: percutaneous mechanical circulatory support vs. intra-aortic balloon pump in cardiogenic shock after acute myocardial infarction. <i>European Heart Journal: Acute Cardiovascular Care</i> , <b>2021</b> , 10, 1009-1015	4.3	6
76	Risk of Aerosol Formation During High-Flow Nasal Cannula Treatment in Critically Ill Subjects. <i>Respiratory Care</i> , <b>2021</b> , 66, 891-896	2.1	6
75	Update for Anaesthetists on Clinical Features of COVID-19 Patients and Relevant Management. <i>Journal of Clinical Medicine</i> , <b>2020</b> , 9,	5.1	5
74	Cost-effectiveness in extracorporeal life support in critically ill adults in the Netherlands. <i>BMC Health Services Research</i> , <b>2018</b> , 18, 172	2.9	5
73	Improving peripheral intravenous catheter failure rates. <i>Lancet, The</i> , <b>2018</b> , 392, 366-367	4.0	5

72	Patient blood management in the cardiac surgical setting: An updated overview. <i>Transfusion and Apheresis Science</i> , <b>2019</b> , 58, 397-407	2.4	5
71	Alveolar but not intravenous S-ketamine inhibits alveolar sodium transport and lung fluid clearance in rats. <i>Anesthesia and Analgesia</i> , <b>2010</b> , 111, 164-70	3.9	5
70	The anti-C5a antibody vilobelimab efficiently inhibits C5a in patients with severe COVID-19.. <i>Clinical and Translational Science</i> , <b>2022</b> ,	4.9	5
69	Contribution of damage-associated molecular patterns to transfusion-related acute lung injury in cardiac surgery. <i>Blood Transfusion</i> , <b>2014</b> , 12, 368-75	3.6	5
68	Pre-PCI versus immediate post-PCI Impella initiation in acute myocardial infarction complicated by cardiogenic shock. <i>PLoS ONE</i> , <b>2020</b> , 15, e0235762	3.7	5
67	Hospital Costs of Extracorporeal Membrane Oxygenation in Adults: A Systematic Review. <i>Pharmacoeconomics - Open</i> , <b>2021</b> , 5, 613-623	2.1	5
66	Intramuscular adipose tissue at level Th12 is associated with survival in COVID-19. <i>Journal of Cachexia, Sarcopenia and Muscle</i> , <b>2021</b> , 12, 823	10.3	5
65	Haematological malignancy in the intensive care unit: microbiology results and mortality. <i>European Journal of Haematology</i> , <b>2016</b> , 97, 271-7	3.8	5
64	Blood Transfusion Threshold in Patients Receiving Extracorporeal Membrane Oxygenation Support for Cardiac and Respiratory Failure-A Systematic Review and Meta-Analysis. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , <b>2021</b> , 35, 1192-1202	2.1	5
63	The divergent clinical presentations of transfusion-related acute lung injury illustrated by two case reports. <i>Medical Science Monitor</i> , <b>2010</b> , 16, CS129-34	3.2	5
62	Transfusion of autologous extracellular vesicles from stored red blood cells does not affect coagulation in a model of human endotoxemia. <i>Transfusion</i> , <b>2018</b> , 58, 1486-1493	2.9	4
61	An update of the transfusion-related acute lung injury (TRALI) definition. <i>Transfusion and Apheresis Science</i> , <b>2019</b> , 58, 632-633	2.4	4
60	Diagnosing acute lung injury in the critically ill: a national survey among critical care physicians. <i>Acta Anaesthesiologica Scandinavica</i> , <b>2009</b> , 53, 1293-9	1.9	4
59	Reporting transfusion-related acute lung injury by clinical and preclinical disciplines. <i>Blood Transfusion</i> , <b>2018</b> , 16, 227-234	3.6	4
58	Indoleamine 2,3-dioxygenase (IDO)-1 and IDO-2 activity and severe course of COVID-19. <i>Journal of Pathology</i> , <b>2021</b> ,	9.4	4
57	Developing specific therapeutic strategies for transfusion-related acute lung injury. An overview of potentially useful animal models. <i>Cardiovascular and Hematological Agents in Medicinal Chemistry</i> , <b>2007</b> , 5, 319-26	1.9	4
56	Coronavirus disease 2019 is associated with catheter-related thrombosis in critically ill patients: A multicenter case-control study. <i>Thrombosis Research</i> , <b>2021</b> , 200, 87-90	8.2	4
55	Extracorporeal Membrane Oxygenation in Patients With COVID-19: An International Multicenter Cohort Study. <i>Journal of Intensive Care Medicine</i> , <b>2021</b> , 36, 910-917	3.3	4



54	Single-dose SARS-CoV-2 vaccine in a prospective cohort of COVID-19 patients		4
53	Development, validation, and potential applications of biotinylated red blood cells for posttransfusion kinetics and other physiological studies: evidenced-based analysis and recommendations. <i>Transfusion</i> , <b>2018</b> , 58, 2068-2081	2.9	4
52	Survival of patients with acute pulmonary embolism treated with venoarterial extracorporeal membrane oxygenation: A systematic review and meta-analysis. <i>Journal of Critical Care</i> , <b>2021</b> , 64, 245-254	4.1	4
51	Reducing errors in the administration of medication with infusion pumps in the intensive care department: A lean approach. <i>SAGE Open Medicine</i> , <b>2019</b> , 7, 2050312118822629	2.4	3
50	An update of the transfusion-related acute lung injury (TRALI) definition. <i>Transfusion Clinique Et Biologique</i> , <b>2019</b> , 26, 354-356	1.9	3
49	Double-Hit-Induced Leukocyte Extravasation Driven by Endothelial Adherens Junction Destabilization. <i>Journal of Immunology</i> , <b>2020</b> , 205, 511-520	5.3	3
48	Bleeding assessment and bleeding severity in thrombocytopenic patients undergoing invasive procedures. <i>Transfusion</i> , <b>2020</b> , 60, 637-649	2.9	3
47	Biotinylation of platelets for transfusion purposes a novel method to label platelets in a closed system. <i>Transfusion</i> , <b>2019</b> , 59, 2964-2973	2.9	3
46	Relative Tissue Factor Deficiency Attenuates Ventilator-Induced Coagulopathy but Does Not Protect against Ventilator-Induced Lung Injury in Mice. <i>Critical Care Research and Practice</i> , <b>2012</b> , 2012, 130410	1.5	3
45	Complement inhibition in severe COVID-19 - Blocking C5a seems to be key. <i>EClinicalMedicine</i> , <b>2021</b> , 35, 100722	11.3	3
44	Effect of Hypotension Prediction Index-guided intraoperative haemodynamic care on depth and duration of postoperative hypotension: a sub-study of the Hypotension Prediction trial. <i>British Journal of Anaesthesia</i> , <b>2021</b> , 127, 681-688	5.4	3
43	Medical student education in transfusion medicine, part II: Moving forward to building up a "Know How" education program in transfusion medicine for under-graduate medical students. <i>Transfusion and Apheresis Science</i> , <b>2020</b> , 59, 102879	2.4	2
42	Erythropoiesis-stimulating agents as replacement therapy for blood transfusions in critically ill patients with anaemia: A systematic review with meta-analysis. <i>Transfusion Medicine</i> , <b>2020</b> , 30, 433-441	1.3	2
41	Colloid osmotic pressure of contemporary and novel transfusion products. <i>Vox Sanguinis</i> , <b>2020</b> , 115, 664-675	3.1	2
40	Clinical performance of a machine-learning algorithm to predict intra-operative hypotension with noninvasive arterial pressure waveforms: A cohort study. <i>European Journal of Anaesthesiology</i> , <b>2021</b> , 38, 609-615	2.3	2
39	The effect of immediate coronary angiography after cardiac arrest without ST-segment elevation on left ventricular function. A sub-study of the COACT randomised trial. <i>Resuscitation</i> , <b>2021</b> , 164, 93-100 <sup>4</sup>		2
38	Outcome and Predictors for Mortality in Patients with Cardiogenic Shock: A Dutch Nationwide Registry-Based Study of 75,407 Patients with Acute Coronary Syndrome Treated by PCI. <i>Journal of Clinical Medicine</i> , <b>2021</b> , 10,	5.1	2
37	Sex differences in patients with out-of-hospital cardiac arrest without ST-segment elevation: A COACT trial substudy. <i>Resuscitation</i> , <b>2021</b> , 158, 14-22	4	2

36	Efficacy matters: broadening complement inhibition in COVID-19 - Authors'Reply. <i>Lancet Rheumatology, The</i> , <b>2021</b> , 3, e95-e96	14.2	2
35	International point prevalence study of Intensive Care Unit transfusion practices-Pilot study in the Netherlands. <i>Transfusion Clinique Et Biologique</i> , <b>2019</b> , 26, 202-208	1.9	1
34	Guidelines seek unbiased recommendations. <i>Intensive Care Medicine</i> , <b>2020</b> , 46, 1065-1069	14.5	1
33	RBC Transfusion in Venovenous Extracorporeal Membrane Oxygenation: A Multicenter Cohort Study.. <i>Critical Care Medicine</i> , <b>2022</b> , 50, 224-234	1.4	1
32	Performance of a machine-learning algorithm to predict hypotension in mechanically ventilated patients with COVID-19 admitted to the intensive care unit: a cohort study. <i>Journal of Clinical Monitoring and Computing</i> , <b>2021</b> , 1	2	1
31	An Update of the Definition of Transfusion-Related Acute Lung Injury. <i>Turkish Journal of Haematology</i> , <b>2019</b> , 36, 282-283	0.9	1
30	Inflammatory biomarkers at hospital discharge are associated with readmission and death in patients hospitalized for COVID-19. <i>European Journal of Clinical Microbiology and Infectious Diseases</i> , <b>2021</b> , 40, 2677-2683	5.3	1
29	The aged erythrocyte: key player in cancer progression, but also in infectious and respiratory complications of blood transfusion?. <i>Anesthesiology</i> , <b>2009</b> , 111, 444	4.3	1
28	Red blood cell transfusion results in adhesion of neutrophils in human endotoxemia and in critically ill patients with sepsis. <i>Transfusion</i> , <b>2020</b> , 60, 294-302	2.9	1
27	Transfusion in critical care: Past, present and future. <i>Transfusion Medicine</i> , <b>2020</b> , 30, 418-432	1.3	1
26	Continuous cuff pressure control: More high-quality evidence is needed. <i>Nursing in Critical Care</i> , <b>2021</b> , 26, 13	2.7	1
25	Transfusion-associated circulatory overload: A survey among Dutch intensive care fellows. <i>Transfusion Clinique Et Biologique</i> , <b>2018</b> , 25, 19-25	1.9	1
24	Reported transfusion-related acute lung injury associated with solvent/detergent plasma - A case series.. <i>Transfusion</i> , <b>2022</b> ,	2.9	1
23	Transfusion-Related Acute Lung Injury <b>2015</b> , 161-169		0
22	Machine learning methods for perioperative anesthetic management in cardiac surgery patients: a scoping review.. <i>Journal of Thoracic Disease</i> , <b>2021</b> , 13, 6976-6993	2.6	0
21	The recipe for TACO: A narrative review on the pathophysiology and potential mitigation strategies of transfusion-associated circulatory overload. <i>Blood Reviews</i> , <b>2021</b> , 52, 100891	11.1	0
20	Cyclophosphamide for interstitial lung disease-associated acute respiratory failure: mortality, clinical response and radiological characteristics. <i>BMC Pulmonary Medicine</i> , <b>2021</b> , 21, 249	3.5	0
19	Reduced anticoagulation targets in extracorporeal life support (RATE): study protocol for a randomized controlled trial.. <i>Trials</i> , <b>2022</b> , 23, 405	2.8	0

18	Data on sex differences in one-year outcomes of out-of-hospital cardiac arrest patients without ST-segment elevation. <i>Data in Brief</i> , <b>2020</b> , 33, 106521	1.2
17	Defining human mean circulatory filling pressure in the intensive care unit. <i>Journal of Applied Physiology</i> , <b>2020</b> , 129, 311-316	3-7
16	Contribution of Coagulopathy on the Risk of Bleeding After Central Venous Catheter Placement in Critically Ill Thrombocytopenic Patients. <b>2022</b> , 4, e0621	
15	The Effect of Washing of Stored Red Blood Cell Transfusion Units on Post Transfusion Recovery and Outcome in a Pneumosepsis Animal Model. <i>Shock</i> , <b>2020</b> , 54, 794-801	3-4
14	Response letter: In patients with massive pulmonary embolism, we think a combination of VA-ECMO and other therapies should be studied. <i>Journal of Critical Care</i> , <b>2021</b> , 67, 225-225	4
13	Transfusion and Acute Respiratory Distress Syndrome: Pathogenesis and Potential Mechanisms. <i>Respiratory Medicine</i> , <b>2017</b> , 193-211	0.2
12	HECTD2 one step closer to understand susceptibility for acute respiratory disease syndrome?. <i>Annals of Translational Medicine</i> , <b>2016</b> , 4, 528	3.2
11	Reducing Intraoperative Hypotension Using a Machine Learning-Derived Early Warning System-Reply. <i>JAMA - Journal of the American Medical Association</i> , <b>2020</b> , 324, 807-808	27.4
10	Treating critically ill anemic patients with erythropoietin: less is more. <i>Intensive Care Medicine</i> , <b>2021</b> , 47, 256-257	14.5
9	Cost Analysis From a Randomized Comparison of Immediate Versus Delayed Angiography After Cardiac Arrest.. <i>Journal of the American Heart Association</i> , <b>2022</b> , 11, e022238	6
8	Endothelial cells of pulmonary origin display unique sensitivity to the bacterial endotoxin lipopolysaccharide.. <i>Physiological Reports</i> , <b>2022</b> , 10, e15271	2.6
7	Cumulative fluid balance predicts mortality and increases time on mechanical ventilation in ARDS patients: An observational cohort study <b>2019</b> , 14, e0224563	
6	Cumulative fluid balance predicts mortality and increases time on mechanical ventilation in ARDS patients: An observational cohort study <b>2019</b> , 14, e0224563	
5	Cumulative fluid balance predicts mortality and increases time on mechanical ventilation in ARDS patients: An observational cohort study <b>2019</b> , 14, e0224563	
4	Cumulative fluid balance predicts mortality and increases time on mechanical ventilation in ARDS patients: An observational cohort study <b>2019</b> , 14, e0224563	
3	Bronchoscopic Intrapulmonary Recombinant Factor VIIa for Diffuse Alveolar Hemorrhage-induced Acute Respiratory Failure in MPO-ANCA Vasculitis: A Case Report. <i>The Journal of Critical Care Medicine</i> , <b>2022</b> , 8, 123-125	1.2
2	Transfusion-Associated Circulatory Overload <b>2022</b> , 120-129	
1	Transfusion-Related Acute Lung Injury (TRALI) <b>2022</b> , 130-144	

