

Diederik Gommers

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/865339/publications.pdf>

Version: 2024-02-01

50
papers

1,204
citations

516215

16
h-index

414034

32
g-index

53
all docs

53
docs citations

53
times ranked

1765
citing authors

#	ARTICLE	IF	CITATIONS
1	Diagnosis, Prevention, and Treatment of Thromboembolic Complications in COVID-19: Report of the National Institute for Public Health of the Netherlands. <i>Radiology</i> , 2020, 297, E216-E222.	3.6	261
2	Ultrasonographic measured optic nerve sheath diameter as an accurate and quick monitor for changes in intracranial pressure. <i>Journal of Neurosurgery</i> , 2015, 123, 743-747.	0.9	147
3	Failure of target attainment of beta-lactam antibiotics in critically ill patients and associated risk factors: a two-center prospective study (EXPAT). <i>Critical Care</i> , 2020, 24, 558.	2.5	69
4	Functional evaluation of sublingual microcirculation indicates successful weaning from VA-ECMO in cardiogenic shock. <i>Critical Care</i> , 2017, 21, 265.	2.5	58
5	Microcirculatory assessment of patients under VA-ECMO. <i>Critical Care</i> , 2016, 20, 344.	2.5	57
6	Recruitment Maneuvers and Higher PEEP, the So-Called Open Lung Concept, in Patients with ARDS. <i>Critical Care</i> , 2019, 23, 73.	2.5	44
7	Developing, implementing and governing artificial intelligence in medicine: a step-by-step approach to prevent an artificial intelligence winter. <i>BMJ Health and Care Informatics</i> , 2022, 29, e100495.	1.4	41
8	Capillary Leukocytes, Microaggregates, and the Response to Hypoxemia in the Microcirculation of Coronavirus Disease 2019 Patients. <i>Critical Care Medicine</i> , 2021, 49, 661-670.	0.4	39
9	Onset of Donor Warm Ischemia Time in Donation After Circulatory Death Liver Transplantation: Hypotension or Hypoxia?. <i>Liver Transplantation</i> , 2018, 24, 1001-1010.	1.3	38
10	High procalcitonin levels associated with increased intensive care unit admission and mortality in patients with a COVID-19 infection in the emergency department. <i>BMC Infectious Diseases</i> , 2022, 22, 165.	1.3	38
11	Patients suffering from psychological impairments following critical illness are in need of information. <i>Journal of Intensive Care</i> , 2020, 8, 6.	1.3	36
12	Persistent Health Problems beyond Pulmonary Recovery up to 6 Months after Hospitalization for COVID-19: A Longitudinal Study of Respiratory, Physical, and Psychological Outcomes. <i>Annals of the American Thoracic Society</i> , 2022, 19, 551-561.	1.5	33
13	Predictors of short-term successful discontinuation of continuous renal replacement therapy: results from a prospective multicentre study. <i>BMC Nephrology</i> , 2019, 20, 129.	0.8	32
14	Intensive Care Unit-Specific Virtual Reality for Critically Ill Patients With COVID-19: Multicenter Randomized Controlled Trial. <i>Journal of Medical Internet Research</i> , 2022, 24, e32368.	2.1	27
15	Intensive Care Unit-Specific Virtual Reality for Psychological Recovery After ICU Treatment for COVID-19; A Brief Case Report. <i>Frontiers in Medicine</i> , 2020, 7, 629086.	1.2	22
16	The Dutch Data Warehouse, a multicenter and full-admission electronic health records database for critically ill COVID-19 patients. <i>Critical Care</i> , 2021, 25, 304.	2.5	22
17	Progressive respiratory failure in COVID-19: a hypothesis. <i>Lancet Infectious Diseases</i> , The, 2020, 20, 1365.	4.6	19
18	Safety and efficacy of beta-blockers to improve oxygenation in patients on veno-venous ECMO. <i>Journal of Critical Care</i> , 2019, 53, 248-252.	1.0	18

#	ARTICLE	IF	CITATIONS
19	Effect of intensive care unit-specific virtual reality (ICU-VR) to improve psychological well-being and quality of life in COVID-19 ICU survivors: a study protocol for a multicentre, randomized controlled trial. <i>Trials</i> , 2021, 22, 328.	0.7	18
20	Virtual Reality to Improve Sequelae of the Postintensive Care Syndrome: A Multicenter, Randomized Controlled Feasibility Study. , 2021, 3, e0538.		15
21	Predictors for extubation failure in COVID-19 patients using a machine learning approach. <i>Critical Care</i> , 2021, 25, 448.	2.5	15
22	A narrative review of predictors for β -lactam antibiotic exposure during empirical treatment in critically ill patients. <i>Expert Opinion on Drug Metabolism and Toxicology</i> , 2021, 17, 359-368.	1.5	14
23	Targeting urine output and 30-day mortality in goal-directed therapy: a systematic review with meta-analysis and meta-regression. <i>BMC Anesthesiology</i> , 2017, 17, 22.	0.7	12
24	A novel mortality risk score predicting intensive care mortality in cardiogenic shock patients treated with veno-arterial extracorporeal membrane oxygenation. <i>Journal of Critical Care</i> , 2020, 55, 35-41.	1.0	12
25	End-of-life practices in traumatic brain injury patients: Report of a questionnaire from the CENTER-TBI study. <i>Journal of Critical Care</i> , 2020, 58, 78-88.	1.0	10
26	Virtual Reality Tailored to the Needs of Post-ICU Patients: A Safety and Immersiveness Study in Healthy Volunteers. , 2021, 3, e0388.		10
27	Rapid Evaluation of Coronavirus Illness Severity (RECOILS) in intensive care: Development and validation of a prognostic tool for in-hospital mortality. <i>Acta Anaesthesiologica Scandinavica</i> , 2022, 66, 65-75.	0.7	9
28	Predicting mortality in adult patients with sepsis in the emergency department by using combinations of biomarkers and clinical scoring systems: a systematic review. <i>BMC Emergency Medicine</i> , 2021, 21, 70.	0.7	8
29	Predictors of 90-Day Restart of Renal Replacement Therapy after Discontinuation of Continuous Renal Replacement Therapy, a Prospective Multicenter Study. <i>Blood Purification</i> , 2019, 48, 243-252.	0.9	7
30	Dutch Perspectives Toward Governmental Trust, Vaccination, Myths, and Knowledge About Vaccines and COVID-19. <i>JAMA Network Open</i> , 2021, 4, e2140529.	2.8	6
31	Optimizing discharge after major surgery using an artificial intelligence-based decision support tool (DESIRE): An external validation study. <i>Surgery</i> , 2022, 172, 663-669.	1.0	6
32	Familiarity with the post-intensive care syndrome among general practitioners and opportunities to improve their involvement in ICU follow-up care. <i>Intensive Care Medicine</i> , 2022, 48, 1090-1092.	3.9	6
33	Predicting need for hospital-specific interventional care after surgery using electronic health record data. <i>Surgery</i> , 2021, 170, 790-796.	1.0	5
34	Some Patients Are More Equal Than Others: Variation in Ventilator Settings for Coronavirus Disease 2019 Acute Respiratory Distress Syndrome. , 2021, 3, e0555.		5
35	Shaping critical care through sound-driven innovation: introduction, outline, and research agenda. <i>Intensive Care Medicine</i> , 2020, 46, 542-543.	3.9	4
36	Effect of Methylprednisolone on Inflammation and Coagulation in Patients with Severe COVID-19: A Retrospective Cohort Study. <i>Biomarker Insights</i> , 2021, 16, 117727192110216.	1.0	4

#	ARTICLE	IF	CITATIONS
37	Risk factors for adverse outcomes during mechanical ventilation of 1152 COVID-19 patients: a multicenter machine learning study with highly granular data from the Dutch Data Warehouse. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 32.	0.9	4
38	Virtual reality for relatives of ICU patients to improve psychological sequelae: study protocol for a multicentre, randomised controlled trial. <i>BMJ Open</i> , 2021, 11, e049704.	0.8	4
39	Community-acquired pneumonia subgroups and differential response to corticosteroids: a secondary analysis of controlled studies. <i>ERJ Open Research</i> , 2022, 8, 00489-2021.	1.1	4
40	Joint Modeling of Repeated Measurements of Different Biomarkers Predicts Mortality in COVID-19 Patients in the Intensive Care Unit. <i>Biomarker Insights</i> , 2022, 17, 117727192211123.	1.0	4
41	PET-CT for detecting the undetected in the ICU. <i>Intensive Care Medicine</i> , 2016, 42, 111-112.	3.9	3
42	Women of reproductive age in a tertiary intensive care unit: indications, outcome and the impact of pregnancy—a retrospective cohort study. <i>BMC Women's Health</i> , 2021, 21, 248.	0.8	3
43	Higher 1-year mortality in women admitted to intensive care units after cardiac arrest: A nationwide overview from the Netherlands between 2010 and 2018. <i>Journal of Critical Care</i> , 2021, 64, 176-183.	1.0	3
44	A feasibility study into adenosine triphosphate measurement in exhaled breath condensate: a potential bedside method to monitor alveolar deformation. <i>Purinergic Signalling</i> , 2018, 14, 215-221.	1.1	2
45	Fluid balance-adjusted creatinine at initiation of continuous venovenous hemofiltration and mortality. A post-hoc analysis of a multicenter randomized controlled trial. <i>PLoS ONE</i> , 2018, 13, e0197301.	1.1	2
46	Cytokines and Chemokines Are Detectable in Swivel-Derived Exhaled Breath Condensate (SEBC): A Pilot Study in Mechanically Ventilated Patients. <i>Disease Markers</i> , 2020, 2020, 1-6.	0.6	2
47	Psychologic Distress and Quality of Life After ICU Treatment for Coronavirus Disease 2019: A Multicenter, Observational Cohort Study. , 2021, 3, e0497.		2
48	Demystifying machine learning for mortality prediction. <i>Critical Care</i> , 2021, 25, 447.	2.5	2
49	Monitoring Mitochondrial Partial Oxygen Pressure During Cardiac Arrest and Extracorporeal Cardiopulmonary Resuscitation. An Experimental Pilot Study in a Pig Model. <i>Frontiers in Cardiovascular Medicine</i> , 2021, 8, 754852.	1.1	1
50	Predicting thromboembolic complications in COVID-19 ICU patients using machine learning. <i>Journal of Clinical and Translational Research</i> , 2020, 6, 179-186.	0.3	1