Iwan C C Van Der Horst

List of Publications by Year in descending order

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122 papers 5,536 citations

147801 31 h-index 95266 68 g-index

127 all docs

127 docs citations

times ranked

127

11402 citing authors

#	Article	IF	CITATIONS
1	Differences and Similarities Among COVID-19 Patients Treated in Seven ICUs in Three Countries Within One Region: An Observational Cohort Study*. Critical Care Medicine, 2022, 50, 595-606.	0.9	22
2	Better COVID-19 Intensive Care Unit survival in females, independent of age, disease severity, comorbidities, and treatment. Scientific Reports, 2022, 12, 734.	3.3	13
3	Cardiovascular outcome 6 months after severe coronavirus disease 2019 infection. Journal of Hypertension, 2022, 40, 1278-1287.	0.5	5
4	Age is the main determinant of COVID-19 related in-hospital mortality with minimal impact of pre-existing comorbidities, a retrospective cohort study. BMC Geriatrics, 2022, 22, 184.	2.7	35
5	Serial Assessment of Myocardial Injury Markers in Mechanically Ventilated Patients With SARS-CoV-2 (from the Prospective MaastrlCCht Cohort). American Journal of Cardiology, 2022, 170, 118-127.	1.6	9
6	Coronary Artery Calcifications Are Associated With More Severe Multiorgan Failure in Patients With Severe Coronavirus Disease 2019 Infection. Journal of Thoracic Imaging, 2022, 37, 217-224.	1.5	5
7	Patterns of oxygen debt repayment in cardiogenic shock patients sustained with extracorporeal life support: A retrospective study. Journal of Critical Care, 2022, 71, 154044.	2.2	2
8	Increased frequency of proangiogenic tunica intima endothelial kinase 2 (Tie2) expressing monocytes in individuals with type 2 diabetes mellitus. Cardiovascular Diabetology, 2022, 21, 72.	6.8	5
9	Temporary mechanical circulatory support for COVIDâ€19 patients: A systematic review of literature. Artificial Organs, 2022, 46, 1249-1267.	1.9	13
10	Ischaemic electrocardiogram patterns and its association with survival in out-of-hospital cardiac arrest patients without ST-segment elevation myocardial infarction: a COACT trials' post-hoc subgroup analysis. European Heart Journal: Acute Cardiovascular Care, 2022, 11, 535-543.	1.0	2
11	Calculated left ventricular outflow tract diameter for critically ill patients. Journal of Intensive Care, 2022, 10, .	2.9	1
12	The effect of compliance with a perioperative goal-directed therapy protocol on outcomes after high-risk surgery: a before-after study. Journal of Clinical Monitoring and Computing, 2021, 35, 1193-1202.	1.6	6
13	Metrology part 1: definition of quality criteria. Journal of Clinical Monitoring and Computing, 2021, 35, 17-25.	1.6	22
14	Metrology part 2: Procedures for the validation of major measurement quality criteria and measuring instrument properties. Journal of Clinical Monitoring and Computing, 2021, 35, 27-37.	1.6	11
15	Decreased serial scores of severe organ failure assessments are associated with survival in mechanically ventilated patients; the prospective Maastricht Intensive Care COVID cohort. Journal of Critical Care, 2021, 62, 38-45.	2.2	25
16	Barriers That Obstruct Return to Work After Coronary Bypass Surgery: A Qualitative Study. Journal of Occupational Rehabilitation, 2021, 31, 316-322.	2.2	4
17	Performance of prediction models for short-term outcome in COVID-19 patients in the emergency department: a retrospective study. Annals of Medicine, 2021, 53, 402-409.	3.8	29
18	Current use of inotropes in circulatory shock. Annals of Intensive Care, 2021, 11, 21.	4.6	35

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19	Incidence, prognostic factors, and outcomes of venous thromboembolism in critically ill patients: data from two prospective cohort studies. Critical Care, 2021, 25, 27.	5.8	17
20	Response to "Early hydroxychloroquine but not chloroquine use reduces ICU admission in COVID-19 patients― International Journal of Infectious Diseases, 2021, 103, 560-561.	3.3	2
21	Ensemble machine learning prediction and variable importance analysis of 5-year mortality after cardiac valve and CABG operations. Scientific Reports, 2021, 11, 3467.	3.3	4
22	ECMO for COVID-19 patients in Europe and Israel. Intensive Care Medicine, 2021, 47, 344-348.	8.2	84
23	Serial EXTEM, FIBTEM, and tPA Rotational Thromboelastometry Observations in the Maastricht Intensive Care COVID Cohortâe"Persistence of Hypercoagulability and Hypofibrinolysis Despite Anticoagulation. Frontiers in Cardiovascular Medicine, 2021, 8, 654174.	2.4	35
24	Does postoperative cognitive decline after coronary bypass affect quality of life?. Open Heart, 2021, 8, e001569.	2.3	7
25	Quality of life following adult veno-venous extracorporeal membrane oxygenation for acute respiratory distress syndrome: a systematic review. Quality of Life Research, 2021, 30, 2123-2135.	3.1	7
26	Serial markers of coagulation and inflammation and the occurrence of clinical pulmonary thromboembolism in mechanically ventilated patients with SARS-CoV-2 infection; the prospective Maastricht intensive care COVID cohort. Thrombosis Journal, 2021, 19, 35.	2.1	16
27	Functional Outcomes and Their Association With Physical Performance in Mechanically Ventilated Coronavirus Disease 2019 Survivors at 3 Months Following Hospital Discharge: A Cohort Study. Critical Care Medicine, 2021, 49, 1726-1738.	0.9	47
28	Identifying and characterizing high-risk clusters in a heterogeneous ICU population with deep embedded clustering. Scientific Reports, 2021, 11, 12109.	3.3	27
29	Appropriateness of empirical antibiotic therapy and added value of adjunctive gentamicin in patients with septic shock: a prospective cohort study in the ICU. Infectious Diseases, 2021, 53, 830-838.	2.8	1
30	Predicting mortality of individual patients with COVID-19: a multicentre Dutch cohort. BMJ Open, 2021, 11, e047347.	1.9	19
31	A new tool to assess Clinical Diversity In Metaâ€analyses (CDIM) of interventions. Journal of Clinical Epidemiology, 2021, 135, 29-41.	5.0	24
32	Hemostasis and fibrinolysis in COVIDâ€19 survivors 6 months after intensive care unit discharge. Research and Practice in Thrombosis and Haemostasis, 2021, 5, e12579.	2.3	13
33	Cognitive biases, environmental, patient and personal factors associated with critical care decision making: A scoping review. Journal of Critical Care, 2021, 64, 144-153.	2.2	13
34	The QUality of Interhospital Transportation in the Euregion Meuse-Rhine (QUIT-EMR) score: a cross-validation study. BMJ Open, 2021, 11, e051100.	1.9	1
35	The simple observational critical care studies: estimations by students, nurses, and physicians of in-hospital and 6-month mortality. Critical Care, 2021, 25, 393.	5.8	3
36	Vital Signs Prediction for COVID-19 Patients in ICU. Sensors, 2021, 21, 8131.	3.8	5

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37	Clinical examination findings as predictors of acute kidney injury in critically ill patients. Acta Anaesthesiologica Scandinavica, 2020, 64, 69-74.	1.6	7
38	Burden of acute kidney injury and 90-day mortality in critically ill patients. BMC Nephrology, 2020, 21, 1.	1.8	86
39	Longâ€term patientâ€important outcomes after septic shock: A protocol for 1â€year followâ€up of the CLASSIC trial. Acta Anaesthesiologica Scandinavica, 2020, 64, 410-416.	1.6	5
40	Mortality prediction models in the adult critically ill: A scoping review. Acta Anaesthesiologica Scandinavica, 2020, 64, 424-442.	1.6	38
41	Serial measurements in COVID-19-induced acute respiratory disease to unravel heterogeneity of the disease course: design of the Maastricht Intensive Care COVID cohort (MaastrICCht). BMJ Open, 2020, 10, e040175.	1.9	29
42	The prevalence of pulmonary embolism in patients with COVID-19 and respiratory decline: A three-setting comparison. Thrombosis Research, 2020, 196, 486-490.	1.7	13
43	Monitoring of Unfractionated Heparin in Severe COVID-19: An Observational Study of Patients on CRRT and ECMO. TH Open, 2020, 04, e365-e375.	1.4	24
44	The "sex gap―in COVID-19 trials: a scoping review. EClinicalMedicine, 2020, 29-30, 100652.	7.1	30
45	Metabolic Age Based on the BBMRI-NL ¹ H-NMR Metabolomics Repository as Biomarker of Age-related Disease. Circulation Genomic and Precision Medicine, 2020, 13, 541-547.	3.6	50
46	Bundled care in acute kidney injury in critically ill patients, a before-after educational intervention study. BMC Nephrology, 2020, 21, 381.	1.8	4
47	Six versus eight and twenty-eight scan sites for B-line assessment: differences in examination time and findings. Intensive Care Medicine, 2020, 46, 1063-1064.	8.2	16
48	Plasma neutrophil gelatinase-associated lipocalin at intensive care unit admission as a predictor of acute kidney injury progression. CKJ: Clinical Kidney Journal, 2020, 13, 994-1002.	2.9	8
49	Non-invasive oscillometric versus invasive arterial blood pressure measurements in critically ill patients: A post hoc analysis of a prospective observational study. Journal of Critical Care, 2020, 57, 118-123.	2.2	22
50	Should the ultrasound probe replace your stethoscope? A SICS-I sub-study comparing lung ultrasound and pulmonary auscultation in the critically ill. Critical Care, 2020, 24, 14.	5.8	32
51	Heterogeneity of treatment effect of prophylactic pantoprazole in adult ICU patients: a post hoc analysis of the SUP-ICU trial. Intensive Care Medicine, 2020, 46, 717-726.	8.2	20
52	Prediction models for diagnosis and prognosis of covid-19: systematic review and critical appraisal. BMJ, The, 2020, 369, m1328.	6.0	2,134
53	Different applications of the KDIGO criteria for AKI lead to different incidences in critically ill patients: a post hoc analysis from the prospective observational SICS-II study. Critical Care, 2020, 24, 164.	5.8	35
54	Two subphenotypes of septic acute kidney injury are associated with different 90-day mortality and renal recovery. Critical Care, 2020, 24, 150.	5.8	54

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55	Prognostic impact of elevated lactate levels on mortality in critically ill patients with and without preadmission metformin treatment: a Danish registry-based cohort study. Annals of Intensive Care, 2020, 10, 36.	4.6	10
56	This is your toolkit in hemodynamic monitoring. Current Opinion in Critical Care, 2020, 26, 303-312.	3.2	2
57	Feasibility of cardiac output measurements in critically ill patients by medical students. Ultrasound Journal, 2020, 12, 1.	3.3	13
58	Heterogeneity of treatment effect of stress ulcer prophylaxis in ICU patients: A secondary analysis protocol. Acta Anaesthesiologica Scandinavica, 2019, 63, 1251-1256.	1.6	6
59	Conservative vs liberal fluid therapy in septic shock (CLASSIC) trial—Protocol and statistical analysis plan. Acta Anaesthesiologica Scandinavica, 2019, 63, 1262-1271.	1.6	37
60	Intermediate Dose Low-Molecular-Weight Heparin for Thrombosis Prophylaxis: Systematic Review with Meta-Analysis and Trial Sequential Analysis. Seminars in Thrombosis and Hemostasis, 2019, 45, 810-824.	2.7	17
61	Associations between tricuspid annular plane systolic excursion to reflect right ventricular function and acute kidney injury in critically ill patients: a SICS-I sub-study. Annals of Intensive Care, 2019, 9, 38.	4.6	13
62	Comorbidities and medical history essential for mortality prediction in critically ill patients. The Lancet Digital Health, 2019, 1, e48-e49.	12.3	5
63	Observational Study Protocol for Repeated Clinical Examination and Critical Care Ultrasonography Within the Simple Intensive Care Studies. Journal of Visualized Experiments, 2019, , .	0.3	11
64	The diagnostic accuracy of clinical examination for estimating cardiac index in critically ill patients: the Simple Intensive Care Studies-I. Intensive Care Medicine, 2019, 45, 190-200.	8.2	36
65	The use of clustering algorithms in critical care research to unravel patient heterogeneity. Intensive Care Medicine, 2019, 45, 1025-1028.	8.2	39
66	Disagreement in cardiac output measurements between fourth-generation FloTrac and critical care ultrasonography in patients with circulatory shock: a prospective observational study. Journal of Intensive Care, 2019, 7, 21.	2.9	6
67	Quality of life after coronary bypass: a multicentre study of routinely collected health data in the Netherlandsâ€. European Journal of Cardio-thoracic Surgery, 2019, 56, 526-533.	1.4	14
68	Agreement of 2D transthoracic echocardiography with cardiovascular magnetic resonance imaging after ST-elevation myocardial infarction. European Journal of Radiology, 2019, 114, 6-13.	2.6	4
69	Current use of vasopressors in septic shock. Annals of Intensive Care, 2019, 9, 20.	4.6	109
70	DEBATE-statistical analysis plans for observational studies. BMC Medical Research Methodology, 2019, 19, 233.	3.1	28
71	Low Dose Low-Molecular-Weight Heparin for Thrombosis Prophylaxis: Systematic Review with Meta-Analysis and Trial Sequential Analysis. Journal of Clinical Medicine, 2019, 8, 2039.	2.4	12
72	Clinical Examination for the Prediction of Mortality in the Critically III: The Simple Intensive Care Studies-I. Critical Care Medicine, 2019, 47, 1301-1309.	0.9	17

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73	Plasma interleukin 6 levels are associated with cardiac function after ST-elevation myocardial infarction. Clinical Research in Cardiology, 2019, 108, 612-621.	3.3	52
74	Dopamine in critically ill patients with cardiac dysfunction: A systematic review with metaâ€analysis and trial sequential analysis. Acta Anaesthesiologica Scandinavica, 2019, 63, 424-437.	1.6	12
75	Foresight over hindsight: Mandatory publication of clinical research protocols prior to conduct. Acta Anaesthesiologica Scandinavica, 2019, 63, 267-269.	1.6	3
76	Heart Rehabilitation in patients awaiting Open heart surgery targeting to prevent Complications and to improve Quality of life (Heart-ROCQ): study protocol for a prospective, randomised, open, blinded endpoint (PROBE) trial. BMJ Open, 2019, 9, e031738.	1.9	10
77	A Bayesian Network Analysis of the Diagnostic Process and its Accuracy to Determine How Clinicians Estimate Cardiac Function in Critically III Patients: Prospective Observational Cohort Study. JMIR Medical Informatics, 2019, 7, e15358.	2.6	3
78	Expert statement for the management of hypovolemia in sepsis. Intensive Care Medicine, 2018, 44, 791-798.	8.2	50
79	Simple example of a practical solution to make patient feedback more useful. BMJ Quality and Safety, 2018, 27, 155-155.	3.7	1
80	Innovation and safety in critical care: should we collaborate with the industry? Con. Intensive Care Medicine, 2018, 44, 2279-2281.	8.2	0
81	Long-term outcome of elderly out-of-hospital cardiac arrest survivors as compared with their younger counterparts and the general population. Therapeutic Advances in Cardiovascular Disease, 2018, 12, 341-349.	2.1	25
82	Pantoprazole in Patients at Risk for Gastrointestinal Bleeding in the ICU. New England Journal of Medicine, 2018, 379, 2199-2208.	27.0	232
83	Systematic overview and critical appraisal of metaâ€analyses of interventions in intensive care medicine. Acta Anaesthesiologica Scandinavica, 2018, 62, 1041-1049.	1.6	14
84	Perioperative goalâ€directed therapy: A systematic review without metaâ€analysis. Acta Anaesthesiologica Scandinavica, 2018, 62, 1340-1355.	1.6	39
85	Incidence, timing and outcome of AKI in critically ill patients varies with the definition used and the addition of urine output criteria. BMC Nephrology, 2017, 18, 70.	1.8	168
86	Clinical examination for diagnosing circulatory shock. Current Opinion in Critical Care, 2017, 23, 293-301.	3.2	39
87	Critical care ultrasonography in circulatory shock. Current Opinion in Critical Care, 2017, 23, 326-333.	3.2	15
88	Predictors of left ventricular remodeling after ST-elevation myocardial infarction. International Journal of Cardiovascular Imaging, 2017, 33, 1415-1423.	1.5	20
89	The contemporary value of peak creatine kinaseâ€ <scp>MB</scp> after <scp>ST</scp> â€segment elevation myocardial infarction above other clinical and angiographic characteristics in predicting infarct size, left ventricular ejection fraction, and mortality. Clinical Cardiology, 2017, 40, 322-328.	1.8	24
90	Clinical examination, critical care ultrasonography and outcomes in the critically ill: cohort profile of the Simple Intensive Care Studies-I. BMJ Open, 2017, 7, e017170.	1.9	23

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91	Two-year follow-up of 4Âmonths metformin treatment vs. placebo in ST-elevation myocardial infarction: data from the GIPS-III RCT. Clinical Research in Cardiology, 2017, 106, 939-946.	3.3	22
92	The association of early combined lactate and glucose levels with subsequent renal and liver dysfunction and hospital mortality in critically ill patients. Critical Care, 2017, 21, 218.	5.8	32
93	Milrinone for cardiac dysfunction in critically ill adult patients: a systematic review of randomised clinical trials with meta-analysis and trial sequential analysis. Intensive Care Medicine, 2016, 42, 1322-1335.	8.2	34
94	Quality of life in elder adults one-year after coronary bypass. Journal of Vascular Nursing, 2016, 34, 152-157.	0.7	3
95	Metformin and lactic acidosis during shock: just the tip of the iceberg?. Critical Care, 2016, 20, 158.	5.8	3
96	Chronic ischemic mitral regurgitation and papillary muscle infarction detected by late gadolinium-enhanced cardiac magnetic resonance imaging in patients with ST-segment elevation myocardial infarction. Clinical Research in Cardiology, 2016, 105, 981-991.	3.3	17
97	The relationship between terminal QRS distortion on initial ECG and final infarct size at 4 months in conventional ST- segment elevation myocardial infarct patients. Journal of Electrocardiology, 2016, 49, 292-299.	0.9	8
98	Long-term outcome of patients after out-of-hospital cardiac arrest in relation to treatment: a single-centre study. European Heart Journal: Acute Cardiovascular Care, 2016, 5, 328-338.	1.0	23
99	Computer-guided normal-low versus normal-high potassium control after cardiac surgery: No impact on atrial fibrillation or atrial flutter. American Heart Journal, 2016, 172, 45-52.	2.7	6
100	Effect of Metformin Treatment on Lipoprotein Subfractions in Non-Diabetic Patients with Acute Myocardial Infarction: A Glycometabolic Intervention as Adjunct to Primary Coronary Intervention in ST Elevation Myocardial Infarction (GIPS-III) Trial. PLoS ONE, 2016, 11, e0145719.	2.5	13
101	The Effect of Metformin on Diastolic Function in Patients Presenting with ST-Elevation Myocardial Infarction. PLoS ONE, 2016, 11, e0168340.	2.5	12
102	Real-time information on preventable death provided by email from frontline intensivists: results in high response rates with useful information. BMJ Quality and Safety, 2015, 24, 288.1-288.	3.7	3
103	The effect of metformin on cardiovascular risk profile in patients without diabetes presenting with acute myocardial infarction: data from the Glycometabolic Intervention as adjunct to Primary Coronary Intervention in ST Elevation Myocardial Infarction (GIPS-III) trial. BMJ Open Diabetes Research and Care. 2015. 3. e000090.	2.8	23
104	Effects of levosimendan for low cardiac output syndrome in critically ill patients: systematic review with meta-analysis and trial sequential analysis. Intensive Care Medicine, 2015, 41, 203-221.	8.2	71
105	Glucocorticosteroids for sepsis: systematic review with meta-analysis and trial sequential analysis. Intensive Care Medicine, 2015, 41, 1220-1234.	8.2	99
106	Metformin in cardiac surgery: high expectations. Lancet Diabetes and Endocrinology,the, 2015, 3, 581-582.	11.4	1
107	Glucose-lowering and heart failure: risks of errors. Lancet Diabetes and Endocrinology, the, 2015, 3, 310-312.	11.4	1
108	Effect of Metformin on Renal Function After Primary Percutaneous Coronary Intervention in Patients Without Diabetes Presenting with ST-elevation Myocardial Infarction: Data from the GIPS-III Trial. Cardiovascular Drugs and Therapy, 2015, 29, 451-459.	2.6	18

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109	Effect of Metformin on Left Ventricular Function After Acute Myocardial Infarction in Patients Without Diabetes. JAMA - Journal of the American Medical Association, 2014, 311, 1526.	7.4	136
110	Metformin for cardiovascular disease: promise still unproven. Lancet Diabetes and Endocrinology,the, 2014, 2, 94-95.	11.4	6
111	Mitral valve repair for post-myocardial infarction papillary muscle rupture. European Journal of Cardio-thoracic Surgery, 2013, 44, 1063-1069.	1.4	37
112	Long-Term Cardiovascular Mortality in Patients With Differentiated Thyroid Carcinoma: An Observational Study. Journal of Clinical Oncology, 2013, 31, 4046-4053.	1.6	128
113	Effects of metformin on insulin resistance in heart failure. Which came first: the chicken or the egg?. European Journal of Heart Failure, 2012, 14, 1197-1198.	7.1	1
114	Treating diabetes by improving cardiac output. European Journal of Heart Failure, 2011, 13, 133-134.	7.1	1
115	Impact of chronic total occlusions on markers of reperfusion, infarct size, and longâ€term mortality: A substudy from the TAPASâ€trial. Catheterization and Cardiovascular Interventions, 2011, 77, 484-491.	1.7	62
116	Tissue advanced glycation end products are associated with diastolic function and aerobic exercise capacity in diabetic heart failure patients. European Journal of Heart Failure, 2011, 13, 76-82.	7.1	67
117	Prognostic Value of Admission Glycosylated Hemoglobin and Glucose in Nondiabetic Patients With ST-Segment–Elevation Myocardial Infarction Treated With Percutaneous Coronary Intervention. Circulation, 2011, 124, 704-711.	1.6	192
118	Neurohormonal profile of patients with heart failure and diabetes. Netherlands Heart Journal, 2010, 18, 190-196.	0.8	34
119	Intracoronary Versus Intravenous Administration of Abciximab in Patients With ST-Segment Elevation Myocardial Infarction Undergoing Primary Percutaneous Coronary Intervention With Thrombus Aspiration. Circulation, 2010, 122, 2709-2717.	1.6	135
120	Outcome in transferred and nontransferred patients after primary percutaneous coronary intervention for ischaemic out-of-hospital cardiac arrest. Catheterization and Cardiovascular Interventions, 2008, 71, 147-151.	1.7	35
121	Treatment of heart failure with ACE inhibitors and beta-blockers. Clinical Research in Cardiology, 2007, 96, 193-195.	3.3	18
122	Anticoagulants for thrombosis prophylaxis in acutely ill patients admitted to hospital: systematic review and network meta-analysis. BMJ, The, 0, , e070022.	6.0	7