Jasper Van Bommel

List of Publications by Year
in descending order

79 papers	4,507 citations	125106 35 h-index	116156 66 g-index
82 all docs	82 docs citations	82 times ranked	3994 citing authors

#	Article	IF	Citations
1	Increasing cardio-thoracic productivity at Erasmus MC. Health Systems, 2022, 11, 68-74.	0.9	1
2	Persistent Health Problems beyond Pulmonary Recovery up to 6 Months after Hospitalization for COVID-19: A Longitudinal Study of Respiratory, Physical, and Psychological Outcomes. Annals of the American Thoracic Society, 2022, 19, 551-561.	1.5	33
3	Intensive Care Unitâ€"Specific Virtual Reality for Critically Ill Patients With COVID-19: Multicenter Randomized Controlled Trial. Journal of Medical Internet Research, 2022, 24, e32368.	2.1	27
4	Developing, implementing and governing artificial intelligence in medicine: a step-by-step approach to prevent an artificial intelligence winter. BMJ Health and Care Informatics, 2022, 29, e100495.	1.4	41
5	Nutritional intake and gastro-intestinal symptoms in critically ill COVID-19 patients. Clinical Nutrition, 2022, 41, 2903-2909.	2.3	5
6	Optimizing discharge after major surgery using an artificial intelligenceâ€"based decision support tool (DESIRE): An external validation study. Surgery, 2022, 172, 663-669.	1.0	6
7	Familiarity with the post-intensive care syndrome among general practitioners and opportunities to improve their involvement in ICU follow-up care. Intensive Care Medicine, 2022, 48, 1090-1092.	3.9	6
8	Case report: a fatal combination of hemophagocytic lymphohistiocytosis with extensive pulmonary microvascular damage in COVID-19 pneumonia. Journal of Hematopathology, 2021, 14, 79-83.	0.2	6
9	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. Trials, 2021, 22, 328.	0.7	18
10	Virtual Reality Tailored to the Needs of Post-ICU Patients: A Safety and Immersiveness Study in Healthy Volunteers. , 2021, 3, e0388.		10
11	CO-FLOW: COvid-19 Follow-up care paths and Long-term Outcomes Within the Dutch health care system: study protocol of a multicenter prospective cohort study following patients 2â€‰years after hospital discharge. BMC Health Services Research, 2021, 21, 847.	0.9	18
12	Psychological distress and health-related quality of life in patients after hospitalization during the COVID-19 pandemic: A single-center, observational study. PLoS ONE, 2021, 16, e0255774.	1.1	47
13	Virtual reality for relatives of ICU patients to improve psychological sequelae: study protocol for a multicentre, randomised controlled trial. BMJ Open, 2021, 11, e049704.	0.8	4
14	Predicting need for hospital-specific interventional care after surgery using electronic health record data. Surgery, 2021, 170, 790-796.	1.0	5
15	Virtual Reality to Improve Sequelae of the Postintensive Care Syndrome: A Multicenter, Randomized Controlled Feasibility Study. , 2021, 3, e0538.		15
16	Psychologic Distress and Quality of Life After ICU Treatment for Coronavirus Disease 2019: A Multicenter, Observational Cohort Study. , 2021, 3, e0497.		2
17	Demystifying machine learning for mortality prediction. Critical Care, 2021, 25, 447.	2.5	2
18	Patients suffering from psychological impairments following critical illness are in need of information. Journal of Intensive Care, 2020, 8, 6.	1.3	36

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19	Intensive Care Unit-Specific Virtual Reality for Psychological Recovery After ICU Treatment for COVID-19; A Brief Case Report. Frontiers in Medicine, 2020, 7, 629086.	1.2	22
20	Predicting thromboembolic complications in COVID-19 ICU patients using machine learning. Journal of Clinical and Translational Research, 2020, 6, 179-186.	0.3	1
21	The effect of a medication reconciliation program in two intensive care units in the Netherlands: a prospective intervention study with a before and after design. Annals of Intensive Care, 2018, 8, 19.	2.2	45
22	The effect of the TIM program (Transfer ICU Medication reconciliation) on medication transfer errors in two Dutch intensive care units: design of a prospective 8-month observational study with a before and after period. BMC Health Services Research, 2017, 17, 124.	0.9	9
23	Targeting oliguria reversal in perioperative restrictive fluid management does not influence the occurrence of renal dysfunction. European Journal of Anaesthesiology, 2016, 33, 425-435.	0.7	41
24	Targeting Oliguria Reversal in Goal-Directed Hemodynamic Management Does Not Reduce Renal Dysfunction in Perioperative and Critically Ill Patients. Anesthesia and Analgesia, 2016, 122, 173-185.	1.1	36
25	Interrater Reliability and Diagnostic Performance of Subjective Evaluation of Sublingual Microcirculation Images by Physicians and Nurses. Shock, 2015, 44, 239-244.	1.0	19
26	Early Peripheral Perfusionâ€“guided Fluid Therapy in Patients with Septic Shock. American Journal of Respiratory and Critical Care Medicine, 2015, 191, 477-480.	2.5	60
27	Rising C-Reactive Protein and Procalcitonin Levels Precede Early Complications After Esophagectomy. Journal of Gastrointestinal Surgery, 2015, 19, 613-624.	0.9	45
28	Tissue perfusion and oxygenation to monitor fluid responsiveness in critically ill, septic patients after initial resuscitation: a prospective observational study. Journal of Clinical Monitoring and Computing, 2015, 29, 707-712.	0.7	26
29	Postural change in volunteers: sympathetic tone determines microvascular response to cardiac preload and output increases. Clinical Autonomic Research, 2015, 25, 347-354.	1.4	7
30	Peripheral Perfusion Index Predicts Hypotension during Fluid Withdrawal by Continuous Veno-Venous Hemofiltration in Critically Ill Patients. Blood Purification, 2015, 40, 92-98.	0.9	20
31	Current practice of target temperature management post-cardiac arrest in the Netherlands, a post-TTM trial survey. Resuscitation, 2015, 97, e1-e2.	1.3	4
32	Nitroglycerin reverts clinical manifestations of poor peripheral perfusion in patients with circulatory shock. Critical Care, 2014, 18, R126.	2.5	42
33	Microvascular Perfusion as a Target for Fluid Resuscitation in Experimental Circulatory Shock*. Critical Care Medicine, 2014, 42, e96-e105.	0.4	51
34	Refractory Hypoxemia in a 23-Year-Old Patient With Budd-Chiari Syndrome. Chest, 2014, 146, e149-e152.	0.4	4
35	Clinical assessment of peripheral perfusion to predict postoperative complications after major abdominal surgery early: a prospective observational study in adults. Critical Care, 2014, 18, R114.	2.5	87
36	Impaired Kidney Function at Hospital Discharge and Long-Term Renal and Overall Survival in Patients Who Received CRRT. Clinical Journal of the American Society of Nephrology: CJASN, 2013, 8, 1284-1291.	2.2	43

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37	Inflatable external upper and lower leg compression improves stroke volume and peripheral perfusion during central hypovolemia in healthy volunteers. Future Cardiology, 2013, 9, 649-655.	0.5	1
38	Inflatable external leg compression prevents orthostatic hypotension in a patient with a traumatic cervical spinal cord injury. Future Cardiology, 2013, 9, 645-648.	0.5	5
39	Peripheral Perfusion Index as an Early Predictor for Central Hypovolemia in Awake Healthy Volunteers. Anesthesia and Analgesia, 2013, 116, 351-356.	1.1	90
40	Monitoring peripheral perfusion in critically ill patients at the bedside. Current Opinion in Critical Care, 2012, 18, 273-279.	1.6	43
41	Significant Contribution of the Portal Vein to Blood Flow Through the Common Bile Duct. Annals of Surgery, 2012, 255, 523-527.	2.1	35
42	Persistent peripheral and microcirculatory perfusion alterations after out-of-hospital cardiac arrest are associated with poor survival*. Critical Care Medicine, 2012, 40, 2287-2294.	0.4	115
43	Peripheral vasoconstriction influences thenar oxygen saturation as measured by near-infrared spectroscopy. Intensive Care Medicine, 2012, 38, 606-611.	3.9	43
44	The relation of near-infrared spectroscopy with changes in peripheral circulation in critically ill patients*. Critical Care Medicine, 2011, 39, 1649-1654.	0.4	121
45	Postoperative sublingual microcirculatory derangement following esophagectomy is prevented with dobutamine. Clinical Hemorheology and Microcirculation, 2011, 48, 275-283.	0.9	5
46	Serum C-Reactive Protein as a Predictor of Morbidity and Mortality in Intensive Care Unit Patients After Esophagectomy. Annals of Thoracic Surgery, 2011, 91, 1775-1779.	0.7	28
47	Multi-site and multi-depth near-infrared spectroscopy in a model of simulated (central) hypovolemia: lower body negative pressure. Intensive Care Medicine, 2011, 37, 671-677.	3.9	63
48	The Effect of Perfusion Pressure on Gastric Tissue Blood Flow in an Experimental Gastric Tube Model. Anesthesia and Analgesia, 2010, 110, 541-546.	1.1	42
49	Aortic Cross-Clamping and Reperfusion in Pigs Reduces Microvascular Oxygenation by Altered Systemic and Regional Blood Flow Distribution. Anesthesia and Analgesia, 2010, 111, 345-353.	1.1	30
50	Lactate: An unusually sensitive parameter of ensuing organ failure?. Critical Care Medicine, 2010, 38, 337-338.	0.4	2
51	The effects of intravenous nitroglycerine and norepinephrine on gastric microvascular perfusion in an experimental model of gastric tube reconstruction. Surgery, 2010, 148, 71-77.	1.0	18
52	Preoperative risk assessment and prevention of complications in patients with esophageal cancer. Journal of Surgical Oncology, 2010, 101, 270-278.	0.8	56
53	Early Lactate-Guided Therapy in Intensive Care Unit Patients. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 752-761.	2.5	1,290
54	Validation of near-infrared laser speckle imaging for assessing microvascular (re)perfusion. Microvascular Research, 2010, 79, 139-143.	1.1	47

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55	The Effect of Vasopressors on Perfusion of Gastric Graft after Esophagectomy. Journal of Gastrointestinal Surgery, 2009, 13, 1019.	0.9	1
56	Low tissue oxygen saturation at the end of early goal-directed therapy is associated with worse outcome in critically ill patients. Critical Care, 2009, 13, S13.	2.5	111
57	Stroke volume and passive leg raising predict volume responsiveness in ICU patients: who is actually responsive?. Critical Care, 2009, 13, 423.	2.5	1
58	Two-Lung High-Frequency Jet Ventilation as an Alternative Ventilation Technique During Transthoracic Esophagectomy. Journal of Cardiothoracic and Vascular Anesthesia, 2009, 23, 509-512.	0.6	16
59	Association between blood lactate levels, Sequential Organ Failure Assessment subscores, and 28-day mortality during early and late intensive care unit stay: A retrospective observational study*. Critical Care Medicine, 2009, 37, 2369-2374.	0.4	142
60	Blood lactate monitoring in critically ill patients: A systematic health technology assessment*. Critical Care Medicine, 2009, 37, 2827-2839.	0.4	149
61	Prognostic Value of Blood Lactate Levels: Does the Clinical Diagnosis at Admission Matter?. Journal of Trauma, 2009, 66, 377-385.	2.3	46
62	The prognostic value of the subjective assessment of peripheral perfusion in critically ill patients. Critical Care Medicine, 2009, 37, 934-938.	0.4	217
63	Heart, kidney, and intestine have different tolerances for anemia. Translational Research, 2008, 151, 110-117.	2.2	65
64	End-expiratory lung volume during mechanical ventilation: a comparison with reference values and the effect of positive end-expiratory pressure in intensive care unit patients with different lung conditions. Critical Care, 2008, 12, R145.	2.5	61
65	The prognostic value of blood lactate levels relative to that of vital signs in the pre-hospital setting: a pilot study. Critical Care, 2008, 12, R160.	2.5	161
66	Correction: End-expiratory lung volume during mechanical ventilation: a comparison with reference values and the effect of positive end-expiratory pressure in intensive care unit patients with different lung conditions. Critical Care, 2008, 13, 430.	2.5	0
67	Intravenous nitroglycerin does not preserve gastric microcirculation during gastric tube reconstruction: a randomized controlled trial. Critical Care, 2006, 10, R131.	2.5	22
68	Thermographic Temperature Measurement Compared with Pinprick and Cold Sensation in Predicting the Effectiveness of Regional Blocks. Anesthesia and Analgesia, 2006, 102, 598-604.	1.1	65
69	Open lung ventilation does not increase right ventricular outflow impedance: An echo-Doppler study*. Critical Care Medicine, 2006, 34, 2555-2560.	0.4	32
70	Peripheral Flow Index Is a Reliable and Early Indicator of Regional Block Success. Anesthesia and Analgesia, 2006, 103, 239-243.	1.1	91
71	The Effect of Nitroglycerin on Microvascular Perfusion and Oxygenation During Gastric Tube Reconstruction. Anesthesia and Analgesia, 2005, 100, 1107-1111.	1.1	41
72	Inducible nitric oxide synthase inhibition improves intestinal microcirculatory oxygenation and CO2 balance during endotoxemia in pigs. Intensive Care Medicine, 2005, 31, 985-992.	3.9	66

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73	Redistribution of intestinal microcirculatory oxygenation during acute hemodilution in pigs. Journal of Applied Physiology, 2005, 98, 1070-1075.	1.2	45
74	INTRAVENOUS NITROGLYCERIN DOES NOT PRESERVE MICROVASCULAR CONDITIONS IN GASTRIC TUBE RECONSTRUCTION.. Critical Care Medicine, 2005, 33, A43.	0.4	0
75	Propofol-Induced Injection Pain: Comparison of a Modified Propofol Emulsion to Standard Propofol with Premixed Lidocaine. Anesthesia and Analgesia, 2004, 99, 1076-1079.	1.1	32
76	Intestinal and Cerebral Oxygenation during Severe Isovolemic Hemodilution and Subsequent Hyperoxic Ventilation in a Pig Model. Anesthesiology, 2002, 97, 660-670.	1.3	108
77	Critical Hematocrit in Intestinal Tissue Oxygenation during Severe Normovolemic Hemodilution. Anesthesiology, 2001, 94, 152-160.	1.3	54
78	The effect of the transfusion of stored RBCs on intestinal microvascular oxygenation in the rat. Transfusion, 2001, 41, 1515-1523.	0.8	94
79	Acute Hemodilution in a Chronic Polycythemic Patient May Be Deleterious. Anesthesiology, 2001, 95, 1291-1294.	1.3	4