

Thomas W L Scheeren

List of Publications by Year in descending order

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197
papers

5,545
citations

85707

38
h-index

106894

65
g-index

203
all docs

203
docs citations

203
times ranked

6653
citing authors

#	ARTICLE	IF	CITATIONS
1	Monitoring tissue oxygenation by near infrared spectroscopy (NIRS): background and current applications. <i>Journal of Clinical Monitoring and Computing</i> , 2012, 26, 279-287.	1.7	361
2	Second consensus on the assessment of sublingual microcirculation in critically ill patients: results from a task force of the European Society of Intensive Care Medicine. <i>Intensive Care Medicine</i> , 2018, 44, 281-299.	8.2	325
3	Ultrasound-guided central venous catheter placement: a structured review and recommendations for clinical practice. <i>Critical Care</i> , 2017, 21, 225.	6.0	278
4	A review of postoperative cognitive dysfunction and neuroinflammation associated with cardiac surgery and anaesthesia. <i>Anaesthesia</i> , 2012, 67, 280-293.	3.9	233
5	A Phase 3 Randomized Double-Blind Comparison of Ceftobiprole Medocaril Versus Ceftazidime Plus Linezolid for the Treatment of Hospital-Acquired Pneumonia. <i>Clinical Infectious Diseases</i> , 2014, 59, 51-61.	5.7	190
6	Effects of Intraoperative Fluid Management on Postoperative Outcomes. <i>Annals of Surgery</i> , 2018, 267, 1084-1092.	4.5	178
7	Levosimendan is superior to milrinone and dobutamine in selectively increasing microvascular gastric mucosal oxygenation in dogs*. <i>Critical Care Medicine</i> , 2005, 33, 135-142.	0.9	168
8	Ability of an Arterial Waveform Analysisâ€œDerived Hypotension Prediction Index to Predict Future Hypotensive Events in Surgical Patients. <i>Anesthesia and Analgesia</i> , 2020, 130, 352-359.	2.4	136
9	Goal-directed intraoperative fluid therapy guided by stroke volume and its variation in high-risk surgical patients: a prospective randomized multicentre study. <i>Journal of Clinical Monitoring and Computing</i> , 2013, 27, 225-233.	1.7	135
10	Current use of vasopressors in septic shock. <i>Annals of Intensive Care</i> , 2019, 9, 20.	4.9	117
11	The fibrin-derived peptide BÎ²15â€œ42 is cardioprotective in a pig model of myocardial ischemia-reperfusion injury*. <i>Critical Care Medicine</i> , 2007, 35, 1730-1735.	0.9	102
12	The oxygen reserve index (ORI): a new tool to monitor oxygen therapy. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 379-389.	1.7	86
13	Continuous noninvasive pulse wave analysis using finger cuff technologies for arterial blood pressure and cardiac output monitoring in perioperative and intensive care medicine: a systematic review and meta-analysis. <i>British Journal of Anaesthesia</i> , 2020, 125, 25-37.	3.3	81
14	Cardiac output estimation using pulse wave analysisâ€œphysiology, algorithms, and technologies: a narrative review. <i>British Journal of Anaesthesia</i> , 2021, 126, 67-76.	3.3	81
15	Green light for liver function monitoring using indocyanine green? An overview of current clinical applications. <i>Anaesthesia</i> , 2014, 69, 1364-1376.	3.9	75
16	Effects of levosimendan for low cardiac output syndrome in critically ill patients: systematic review with meta-analysis and trial sequential analysis. <i>Intensive Care Medicine</i> , 2015, 41, 203-221.	8.2	72
17	Assessment of microvascular oxygen saturation in gastric mucosa in volunteers breathing continuous positive airway pressure*. <i>Critical Care Medicine</i> , 2003, 31, 1705-1710.	0.9	71
18	BÎ²15-42 (FX06) reduces pulmonary, myocardial, liver, and small intestine damage in a pig model of hemorrhagic shock and reperfusion*. <i>Critical Care Medicine</i> , 2009, 37, 598-605.	0.9	71

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19	Comparison of continuous non-invasive finger arterial pressure monitoring with conventional intermittent automated arm arterial pressure measurement in patients under general anaesthesia. <i>British Journal of Anaesthesia</i> , 2014, 113, 67-74.	3.3	67
20	Current practice and evolving concepts in septic shock resuscitation. <i>Intensive Care Medicine</i> , 2022, 48, 148-163.	8.2	67
21	Pulse Wave Analysis to Estimate Cardiac Output. <i>Anesthesiology</i> , 2021, 134, 119-126.	2.7	60
22	Off-Pump CABG Surgery Reduces Systemic Inflammation Compared With On-Pump Surgery but Does Not Change Systemic Endothelial Responses. <i>Shock</i> , 2014, 42, 121-128.	2.1	59
23	A pilot study of cerebral tissue oxygenation and postoperative cognitive dysfunction among patients undergoing coronary artery bypass grafting randomised to surgery with or without cardiopulmonary bypass*. <i>Anaesthesia</i> , 2014, 69, 613-622.	3.9	58
24	Electroencephalography and Brain Oxygenation Monitoring in the Perioperative Period. <i>Anesthesia and Analgesia</i> , 2019, 128, 265-277.	2.4	58
25	Neuronal damage biomarkers in the identification of patients at risk of long-term postoperative cognitive dysfunction after cardiac surgery. <i>Anaesthesia</i> , 2017, 72, 359-369.	3.9	57
26	Accuracy of non-invasive measurement of haemoglobin concentration by pulse co-oximetry during steady-state and dynamic conditions in liver surgery. <i>British Journal of Anaesthesia</i> , 2012, 109, 522-528.	3.3	56
27	Management of pulmonary aspiration. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2006, 20, 409-427.	4.3	55
28	Moderate Increase in Intraabdominal Pressure Attenuates Gastric Mucosal Oxygen Saturation in Patients Undergoing Laparoscopy. <i>Anesthesiology</i> , 2004, 100, 1081-1087.	2.7	53
29	New Developments in Hemodynamic Monitoring. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, S67-S72.	1.3	51
30	Comparison of arterial pressure and plethysmographic waveform-based dynamic preload variables in assessing fluid responsiveness and dynamic arterial tone in patients undergoing major hepatic resection. <i>British Journal of Anaesthesia</i> , 2013, 110, 940-946.	3.3	50
31	Phenylephrine increases cardiac output by raising cardiac preload in patients with anesthesia induced hypotension. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 969-976.	1.7	48
32	Oxygen Reserve Index: Validation of a New Variable. <i>Anesthesia and Analgesia</i> , 2019, 129, 409-415.	2.4	47
33	Clinical evaluation of reflectance spectrophotometry for the measurement of gastric microvascular oxygen saturation in patients undergoing cardiopulmonary bypass. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2002, 16, 576-581.	1.3	45
34	Current use of inotropes in circulatory shock. <i>Annals of Intensive Care</i> , 2021, 11, 21.	4.9	44
35	Transfusion practice in the non-bleeding critically ill: an international online survey – the TRACE survey. <i>Critical Care</i> , 2019, 23, 309.	6.0	43
36	Differential effects of phenylephrine and norepinephrine on peripheral tissue oxygenation during general anaesthesia. <i>European Journal of Anaesthesiology</i> , 2015, 32, 571-580.	1.8	41

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37	Norepinephrine in septic shock: when and how much?. <i>Current Opinion in Critical Care</i> , 2017, 23, 342-347.	3.4	40
38	Understanding the carbon dioxide gaps. <i>Current Opinion in Critical Care</i> , 2018, 24, 181-189.	3.4	40
39	Perioperative goal-directed therapy: A systematic review without meta-analysis. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 1340-1355.	1.7	40
40	The diagnostic accuracy of clinical examination for estimating cardiac index in critically ill patients: the Simple Intensive Care Studies-I. <i>Intensive Care Medicine</i> , 2019, 45, 190-200.	8.2	38
41	The contemporary pulmonary artery catheter. Part 2: measurements, limitations, and clinical applications. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 17-31.	1.7	37
42	Noninvasive pulse pressure variation and stroke volume variation to predict fluid responsiveness at multiple thresholds: a prospective observational study. <i>Canadian Journal of Anaesthesia</i> , 2015, 62, 1153-1160.	1.4	33
43	EMA recommendation to suspend HES is hazardous. <i>Lancet, The</i> , 2018, 391, 736-738.	12.1	33
44	Intraoperative hypotension and its prediction. <i>Indian Journal of Anaesthesia</i> , 2019, 63, 877.	0.8	30
45	Accuracy and reproducibility of long-term implanted transit-time ultrasound flow probes in dogs. <i>Intensive Care Medicine</i> , 2000, 26, 601-607.	8.2	29
46	The $\Delta 5$ Ts TM of perioperative goal-directed haemodynamic therapy. <i>British Journal of Anaesthesia</i> , 2019, 123, 103-107.	3.3	29
47	Acute Kidney Injury Classification Underestimates Long-Term Mortality After Cardiac Valve Operations. <i>Annals of Thoracic Surgery</i> , 2018, 106, 92-98.	1.4	27
48	Dopexamine but not dopamine increases gastric mucosal oxygenation during mechanical ventilation in dogs. <i>Critical Care Medicine</i> , 2002, 30, 881-887.	0.9	26
49	Non-invasive oscillometric versus invasive arterial blood pressure measurements in critically ill patients: A post hoc analysis of a prospective observational study. <i>Journal of Critical Care</i> , 2020, 57, 118-123.	2.3	26
50	Hypercapnia induces a concentration-dependent increase in gastric mucosal oxygenation in dogs. <i>Intensive Care Medicine</i> , 2008, 34, 1898-1906.	8.2	25
51	Effects of Cell-Saving Devices and Filters on Transfusion in Cardiac Surgery: A Multicenter Randomized Study. <i>Annals of Thoracic Surgery</i> , 2015, 99, 26-32.	1.4	25
52	Predicting hypotension in perioperative and intensive care medicine. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2019, 33, 189-197.	4.3	25
53	Effects of thoracic epidural anaesthesia on microvascular gastric mucosal oxygenation in physiological and compromised circulatory conditions in dogs. <i>British Journal of Anaesthesia</i> , 2004, 93, 552-559.	3.3	24
54	Predicting vital sign deterioration with artificial intelligence or machine learning. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 949-951.	1.7	24

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55	The contemporary pulmonary artery catheter. Part 1: placement and waveform analysis. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 5-15.	1.7	24
56	Fenoldopam but not dopamine selectively increases gastric mucosal oxygenation in dogs. <i>Critical Care Medicine</i> , 2003, 31, 1999-2005.	0.9	23
57	Tissue oxygenation as a target for goal-directed therapy in high-risk surgery: a pilot study. <i>BMC Anesthesiology</i> , 2014, 14, 122.	1.9	23
58	Rotational thromboelastometry to assess hypercoagulability in COVID-19 patients. <i>Thrombosis Research</i> , 2020, 196, 379-381.	1.7	23
59	Metrology part 1: definition of quality criteria. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 17-25.	1.7	23
60	Perioperative goal-directed therapy in high-risk abdominal surgery. A multicenter randomized controlled superiority trial. <i>Journal of Clinical Anesthesia</i> , 2021, 75, 110506.	1.8	23
61	Minimally invasive cardiac output technologies in the ICU: putting it all together. <i>Current Opinion in Critical Care</i> , 2017, 23, 302-309.	3.4	22
62	Peep Decreases Oxygenation of the Intestinal Mucosa Despite Normalization of Cardiac Output. <i>Advances in Experimental Medicine and Biology</i> , 1998, 454, 435-440.	0.0	22
63	Metabolic regulation of cardiac output during inhalation anaesthesia in dogs. <i>Acta Anaesthesiologica Scandinavica</i> , 1999, 43, 421-430.	1.7	20
64	Different response of oxygen consumption and cardiac output to various endogenous and synthetic catecholamines in awake dogs. <i>Critical Care Medicine</i> , 2000, 28, 3861-3868.	0.9	20
65	Prognostic value of intraoperative renal tissue oxygenation measurement on early renal transplant function. <i>Transplant International</i> , 2011, 24, 687-696.	1.8	20
66	Femoral venous oxygen saturation is no surrogate for central venous oxygen saturation*. <i>Critical Care Medicine</i> , 2012, 40, 3196-3201.	0.9	20
67	Perioperative goal-directed therapy "What is the evidence?". <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2019, 33, 179-187.	4.3	20
68	Incidence of Massive Transfusion and Overall Transfusion Requirements During Lung Transplantation Over a 25-Year Period. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 2478-2486.	1.3	20
69	An international survey of adherence to Surviving Sepsis Campaign Guidelines 2016 regarding fluid resuscitation and vasopressors in the initial management of septic shock. <i>Journal of Critical Care</i> , 2022, 68, 144-154.	2.3	20
70	Intraoperative ICG plasma disappearance rate helps to predict absence of early postoperative complications after orthotopic liver transplantation. <i>Journal of Clinical Monitoring and Computing</i> , 2013, 27, 591-598.	1.7	19
71	Ceftobiprole medocaril in the treatment of hospital-acquired pneumonia. <i>Future Microbiology</i> , 2015, 10, 1913-1928.	2.0	19
72	Prophylactic atropine administration attenuates the negative haemodynamic effects of induction of anaesthesia with propofol and high-dose remifentanyl. <i>European Journal of Anaesthesiology</i> , 2017, 34, 695-701.	1.8	19

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73	Early improvement in severely ill patients with pneumonia treated with ceftobiprole: a retrospective analysis of two major trials. <i>BMC Infectious Diseases</i> , 2019, 19, 195.	3.0	19
74	Hypercapnic Acidosis Preserves Gastric Mucosal Microvascular Oxygen Saturation in a Canine Model of Hemorrhage. <i>Shock</i> , 2010, 34, 636-642.	2.1	18
75	Simultaneous Assessment of Microvascular Oxygen Saturation and Laser-Doppler Flow in Gastric Mucosa. <i>Advances in Experimental Medicine and Biology</i> , 2003, 540, 47-53.	0.0	18
76	Patient monitoring, wearable devices, and the healthcare information ecosystem. <i>British Journal of Anaesthesia</i> , 2022, 128, 756-758.	3.3	18
77	Dopamine under $\hat{1}\pm 1$ -blockade, but not dopamine alone or fenoldopam, increases depressed gastric mucosal oxygenation*. <i>Critical Care Medicine</i> , 2004, 32, 150-156.	0.9	17
78	Sevoflurane and propofol anaesthesia differentially modulate the effects of epinephrine and norepinephrine on microcirculatory gastric mucosal oxygenation. <i>British Journal of Anaesthesia</i> , 2010, 105, 421-428.	3.3	17
79	Journal of clinical monitoring and computing 2016 end of year summary: monitoring cerebral oxygenation and autoregulation. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 241-246.	1.7	17
80	Albumin, a marker for post-operative myocardial damage in cardiac surgery. <i>Journal of Critical Care</i> , 2018, 47, 55-60.	2.3	17
81	The haemodynamic instability score. <i>European Journal of Anaesthesiology</i> , 2019, 36, 290-296.	1.8	17
82	Clinical Examination for the Prediction of Mortality in the Critically Ill: The Simple Intensive Care Studies-I. <i>Critical Care Medicine</i> , 2019, 47, 1301-1309.	0.9	17
83	Journal of Clinical Monitoring and Computing 2015 end of year summary: tissue oxygenation and microcirculation. <i>Journal of Clinical Monitoring and Computing</i> , 2016, 30, 141-146.	1.7	16
84	Goal-directed therapy: hit early and personalize!. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 375-377.	1.7	16
85	Impaired right ventricular ejection fraction after cardiac surgery is associated with a complicated ICU stay. <i>Journal of Intensive Care</i> , 2018, 6, 85.	2.9	16
86	Distribution of perioperative stroke in cardiac surgery. <i>European Journal of Neurology</i> , 2019, 26, 184-190.	3.6	16
87	Definition and incidence of hypotension in intensive care unit patients, an international survey of the European Society of Intensive Care Medicine. <i>Journal of Critical Care</i> , 2021, 65, 142-148.	2.3	16
88	The Impact of Intra-aortic Balloon Pumping on Cardiac Output Determination by Pulmonary Arterial and Transpulmonary Thermodilution in Pigs. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2006, 20, 320-324.	1.3	15
89	Influence of Bayesian optimization on the performance of propofol target-controlled infusion. <i>British Journal of Anaesthesia</i> , 2017, 119, 918-927.	3.3	15
90	Monitoring of the Sublingual Microcirculation During Cardiac Surgery: Current Knowledge and Future Directions. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 2754-2765.	1.3	15

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91	A glimpse into the future of postoperative arterial blood pressure monitoring. <i>British Journal of Anaesthesia</i> , 2020, 125, 113-115.	3.3	15
92	Feasibility of cardiac output measurements in critically ill patients by medical students. <i>Ultrasound Journal</i> , 2020, 12, 1.	3.3	15
93	Endogenous Endothelin and Vasopressin Support Blood Pressure During Epidural Anesthesia in Conscious Dogs. <i>Anesthesia and Analgesia</i> , 2001, 93, 1580-1586.	2.4	14
94	Nitric oxide synthases in vagal neurons are crucial for the regulation of heart rate in awake dogs. <i>Basic Research in Cardiology</i> , 2001, 96, 395-404.	6.0	13
95	Comparison of the role of endothelin, vasopressin and angiotensin in arterial pressure regulation during sevoflurane anaesthesia in dogs. <i>British Journal of Anaesthesia</i> , 2004, 92, 102-108.	3.3	13
96	Journal of Clinical Monitoring and Computing 2017/2018 end of year summary: monitoring and provocation of the microcirculation and tissue oxygenation. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 201-209.	1.7	13
97	Low serum albumin levels and new-onset atrial fibrillation in the ICU: a prospective cohort study. <i>Journal of Critical Care</i> , 2020, 56, 26-30.	2.3	13
98	Xenon increases total body oxygen consumption during isoflurane anaesthesia in dogs. <i>British Journal of Anaesthesia</i> , 2002, 88, 546-554.	3.3	12
99	Monitoring the microcirculation in the critically ill patient: reflectance spectroscopy. <i>Intensive Care Medicine</i> , 2011, 37, 1045-1046.	8.2	12
100	Cardiac output monitoring: less invasiveness, less accuracy?. <i>Journal of Clinical Monitoring and Computing</i> , 2016, 30, 753-755.	1.7	12
101	Dopamine in critically ill patients with cardiac dysfunction: A systematic review with meta-analysis and trial sequential analysis. <i>Acta Anaesthesiologica Scandinavica</i> , 2019, 63, 424-437.	1.7	12
102	Perioperative echocardiography-guided hemodynamic therapy in high-risk patients: a practical expert approach of hemodynamically focused echocardiography. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 229-243.	1.7	12
103	Dobutamine-sparing versus dobutamine-to-all strategy in cardiac surgery: a randomized noninferiority trial. <i>Annals of Intensive Care</i> , 2021, 11, 15.	4.9	12
104	Monitoring, management, and outcome of hypotension in Intensive Care Unit patients, an international survey of the European Society of Intensive Care Medicine. <i>Journal of Critical Care</i> , 2022, 67, 118-125.	2.3	12
105	Association of intraoperative tissue oxygenation with suspected risk factors for tissue hypoxia. <i>Journal of Clinical Monitoring and Computing</i> , 2013, 27, 541-550.	1.7	11
106	Journal of clinical monitoring and computing 2014 end of year summary: near infrared spectroscopy (NIRS). <i>Journal of Clinical Monitoring and Computing</i> , 2015, 29, 217-220.	1.7	11
107	Is there still a place for the Swan-Ganz catheter? No. <i>Intensive Care Medicine</i> , 2018, 44, 957-959.	8.2	11
108	Hypotension Prediction Index: from proof-of-concept to proof-of-feasibility. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 1135-1138.	1.7	11

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109	Metrology part 2: Procedures for the validation of major measurement quality criteria and measuring instrument properties. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 27-37.	1.7	11
110	VitalDB: fostering collaboration in anaesthesia research. <i>British Journal of Anaesthesia</i> , 2021, 127, 184-187.	3.3	11
111	Performance of a minimally invasive cardiac output monitoring system (Flotrac/Vigileo). <i>British Journal of Anaesthesia</i> , 2008, 101, 279-280.	3.3	10
112	The effect of fluid resuscitation on the effective circulating volume in patients undergoing liver surgery: a post-hoc analysis of a randomized controlled trial. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 73-80.	1.7	10
113	Using extra systoles and the micro-fluid challenge to predict fluid responsiveness during cardiac surgery. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 777-786.	1.7	9
114	Partial liquid ventilation: effects of positive end-expiratory pressure on perfluorocarbon evaporation from the lungs of anesthetized dogs. <i>Intensive Care Medicine</i> , 2003, 29, 467-470.	8.2	8
115	Challenge of the Mini-fluid Challenge: Filling Twice without Creating a Self-fulfilling Prophecy Design. <i>Anesthesiology</i> , 2018, 128, 1043-1044.	2.7	8
116	Extrasystoles for fluid responsiveness prediction in critically ill patients. <i>Journal of Intensive Care</i> , 2018, 6, 52.	2.9	8
117	Oxygenation of the Intestinal Mucosa in Anaesthetized Dogs is Attenuated by Intermittent Positive Pressure Ventilation (IPPV) with Positive End-Expiratory Pressure (PEEP). <i>Advances in Experimental Medicine and Biology</i> , 1997, 428, 385-389.	0.0	8
118	Pulse Dye Densitometry and Indocyanine Green Plasma Disappearance. <i>Anesthesia and Analgesia</i> , 2010, 111, 1075-1076.	2.4	8
119	Prospective, randomized, controlled, double-blind, multi-center, multinational study on the safety and efficacy of 6% Hydroxyethyl starch (HES) solution versus an Electrolyte solution in patients undergoing elective abdominal Surgery: study protocol for the PHOENICS study. <i>Trials</i> , 2022, 23, 168.	1.7	8
120	What is new in microcirculation and tissue oxygenation monitoring?. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 291-299.	1.7	8
121	Accuracy of feedback-controlled oxygen delivery into a closed anaesthesia circuit for measurement of oxygen consumption $\dot{V}O_2$. <i>British Journal of Anaesthesia</i> , 2003, 90, 281-290.	3.3	7
122	Journal of Clinical Monitoring and Computing 2016 end of year summary: cardiovascular and hemodynamic monitoring. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 5-17.	1.7	7
123	Ultrasound-guided central venous catheter placement: first things first. <i>Critical Care</i> , 2017, 21, 331.	6.0	7
124	Disagreement in cardiac output measurements between fourth-generation FloTrac and critical care ultrasonography in patients with circulatory shock: a prospective observational study. <i>Journal of Intensive Care</i> , 2019, 7, 21.	2.9	7
125	Journal of clinical monitoring and computing end of year summary 2018: hemodynamic monitoring and management. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 211-222.	1.7	7
126	The Reduction in Right Ventricular Longitudinal Contraction Parameters Is Not Accompanied by a Reduction in General Right Ventricular Performance During Aortic Valve Replacement: An Explorative Study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2020, 34, 2140-2147.	1.3	7

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127	Perioperative Optimierung mittels auf die HÄmodynamik fokussierter Echokardiographie bei Hochrisikopatienten“ eine Praxisanleitung. <i>Der Anaesthesist</i> , 2021, 70, 772-784.	0.9	7
128	Desflurane increases heart rate independent of sympathetic activity in dogs. <i>European Journal of Anaesthesiology</i> , 2003, 20, 945-951.	1.8	6
129	Accurate and continuous measurement of oxygen deficit during haemorrhage in pigs. <i>Resuscitation</i> , 2009, 80, 259-263.	2.9	6
130	NIRS during therapeutic hypothermia: Cool or hot?. <i>Resuscitation</i> , 2013, 84, 720-721.	2.9	6
131	Do intravascular hypo- and hypervolaemia result in changes in central blood volumes?. <i>British Journal of Anaesthesia</i> , 2016, 116, 46-53.	3.3	6
132	Can Passive Leg Raising Be Considered the Gold Standard in Predicting Fluid Responsiveness?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 1075-1076.	6.6	6
133	Perioperative goal-directed therapy: what’s the best study design to investigate its impact on patient outcome?. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 361-363.	1.7	6
134	The effect of compliance with a perioperative goal-directed therapy protocol on outcomes after high-risk surgery: a before-after study. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 1193-1202.	1.7	6
135	Comparison of haemodynamic- and electroencephalographic-monitored effects evoked by four combinations of effect-site concentrations of propofol and remifentanyl, yielding a predicted tolerance to laryngoscopy of 90%. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 815-825.	1.7	6
136	The effect of moderate intraoperative blood loss and norepinephrine therapy on sublingual microcirculatory perfusion in patients having open radical prostatectomy. <i>European Journal of Anaesthesiology</i> , 2021, 38, 459-467.	1.8	6
137	Comparison of renal region, cerebral and peripheral oxygenation for predicting postoperative renal impairment after CABG. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 735-743.	1.7	6
138	Perioperative Hemodynamic Monitoring. <i>Anesthesiology Clinics</i> , 2021, 39, 441-456.	1.3	6
139	Predictive value of serum albumin levels on noradrenaline and fluid requirements in the first 24h after admission to the Intensive Care Unit – A prospective observational study. <i>Journal of Critical Care</i> , 2018, 47, 99-103.	2.3	5
140	Propofol improves colonic but impairs hepatic mitochondrial function in tissue homogenates from healthy rats. <i>European Journal of Pharmacology</i> , 2019, 853, 364-370.	3.6	5
141	Bedside assessment and clinical utility of mean systemic filling pressure in acute care. <i>Journal of Emergency and Critical Care Medicine</i> , 0, 8, 25-25.	0.8	5
142	Cerebral oxygenation during pediatric congenital cardiac surgery and its association with outcome: a retrospective observational study. <i>Canadian Journal of Anaesthesia</i> , 2020, 67, 1170-1181.	1.4	5
143	Ensemble machine learning prediction and variable importance analysis of 5-year mortality after cardiac valve and CABG operations. <i>Scientific Reports</i> , 2021, 11, 3467.	3.4	5
144	Continuous non-invasive haemodynamic monitoring. <i>European Journal of Anaesthesiology</i> , 2017, 34, 713-715.	1.8	5

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145	The use of a vascular occlusion test combined with near-infrared spectroscopy in perioperative care: a systematic review. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 933-946.	1.7	5
146	<scp>Transfusion practice</scp> in the bleeding critically ill: An international online surveyâ€”The <scp>TRACE</scp>â€” survey. <i>Transfusion</i> , 2022, 62, 324-335.	1.8	5
147	Incidental detection of paradoxical air embolism with a transoesophageal Doppler probe inserted for measuring descending aortic blood flow. <i>British Journal of Anaesthesia</i> , 2003, 90, 520-522.	3.3	4
148	Tissue oxygen saturation as a goal, but when and where should we measure it?. <i>Journal of Clinical Monitoring and Computing</i> , 2013, 27, 211-213.	1.7	4
149	Digging into the microcirculation: the rush for gold may excavate apples and oranges. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 665-667.	1.7	4
150	The response of a standardized fluid challenge during cardiac surgery on cerebral oxygen saturation measured with near-infrared spectroscopy. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 245-251.	1.7	4
151	Improved haemodynamic stability and cerebral tissue oxygenation after induction of anaesthesia with sufentanil compared to remifentanil: a randomised controlled trial. <i>BMC Anesthesiology</i> , 2020, 20, 258.	1.9	4
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