

Thomas Scheeren

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6790343/publications.pdf>

Version: 2024-02-01

200
papers

6,123
citations

87723

38
h-index

88477

70
g-index

206
all docs

206
docs citations

206
times ranked

5986
citing authors

#	ARTICLE	IF	CITATIONS
1	Plasma nitrite reflects constitutive nitric oxide synthase activity in mammals. <i>Free Radical Biology and Medicine</i> , 2003, 35, 790-796.	1.3	519
2	Monitoring tissue oxygenation by near infrared spectroscopy (NIRS): background and current applications. <i>Journal of Clinical Monitoring and Computing</i> , 2012, 26, 279-287.	0.7	349
3	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.	3.9	305
4	Ultrasound-guided central venous catheter placement: a structured review and recommendations for clinical practice. <i>Critical Care</i> , 2017, 21, 225.	2.5	259
5	A review of postoperative cognitive dysfunction and neuroinflammation associated with cardiac surgery and anaesthesia. <i>Anaesthesia</i> , 2012, 67, 280-293.	1.8	227
6	Less invasive hemodynamic monitoring in critically ill patients. <i>Intensive Care Medicine</i> , 2016, 42, 1350-1359.	3.9	212
7	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.	2.9	184
8	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.	0.4	168
9	Effects of Intraoperative Fluid Management on Postoperative Outcomes. <i>Annals of Surgery</i> , 2018, 267, 1084-1092.	2.1	165
10	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.	0.7	130
11	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.	1.1	123
12	Current use of vasopressors in septic shock. <i>Annals of Intensive Care</i> , 2019, 9, 20.	2.2	109
13	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.	0.4	101
14	Clinical review: use of venous oxygen saturations as a goal - a yet unfinished puzzle. <i>Critical Care</i> , 2011, 15, 232.	2.5	97
15	The oxygen reserve index (ORI): a new tool to monitor oxygen therapy. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 379-389.	0.7	76
16	Green light for liver function monitoring using indocyanine green? An overview of current clinical applications. <i>Anaesthesia</i> , 2014, 69, 1364-1376.	1.8	73
17	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.	0.4	71
18	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.	3.9	71

#	ARTICLE	IF	CITATIONS
19	Assessment of microvascular oxygen saturation in gastric mucosa in volunteers breathing continuous positive airway pressure*. <i>Critical Care Medicine</i> , 2003, 31, 1705-1710.	0.4	70
20	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.	1.5	69
21	Cardiac output estimation using pulse wave analysis—physiology, algorithms, and technologies: a narrative review. <i>British Journal of Anaesthesia</i> , 2021, 126, 67-76.	1.5	66
22	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.	1.5	65
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.	1.8	57
24	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.	1.5	56
25	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.	1.0	56
26	Current practice and evolving concepts in septic shock resuscitation. <i>Intensive Care Medicine</i> , 2022, 48, 148-163.	3.9	55
27	Moderate Increase in Intraabdominal Pressure Attenuates Gastric Mucosal Oxygen Saturation in Patients Undergoing Laparoscopy. <i>Anesthesiology</i> , 2004, 100, 1081-1087.	1.3	53
28	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.	1.8	53
29	Electroencephalography and Brain Oxygenation Monitoring in the Perioperative Period. <i>Anesthesia and Analgesia</i> , 2019, 128, 265-277.	1.1	52
30	Management of pulmonary aspiration. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2006, 20, 409-427.	1.7	51
31	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.	1.5	50
32	Understanding the Haldane effect. <i>Intensive Care Medicine</i> , 2017, 43, 91-93.	3.9	48
33	Pulse Wave Analysis to Estimate Cardiac Output. <i>Anesthesiology</i> , 2021, 134, 119-126.	1.3	47
34	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.	0.6	45
35	New Developments in Hemodynamic Monitoring. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, S67-S72.	0.6	45
36	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.	0.7	44

#	ARTICLE	IF	CITATIONS
37	Oxygen Reserve Index: Validation of a New Variable. <i>Anesthesia and Analgesia</i> , 2019, 129, 409-415.	1.1	43
38	Transfusion practice in the non-bleeding critically ill: an international online survey—the TRACE survey. <i>Critical Care</i> , 2019, 23, 309.	2.5	42
39	Differential effects of phenylephrine and norepinephrine on peripheral tissue oxygenation during general anaesthesia. <i>European Journal of Anaesthesiology</i> , 2015, 32, 571-580.	0.7	39
40	Perioperative goal-directed therapy: A systematic review without meta-analysis. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 1340-1355.	0.7	39
41	Norepinephrine in septic shock: when and how much?. <i>Current Opinion in Critical Care</i> , 2017, 23, 342-347.	1.6	36
42	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.	3.9	36
43	Understanding the carbon dioxide gaps. <i>Current Opinion in Critical Care</i> , 2018, 24, 181-189.	1.6	35
44	Current use of inotropes in circulatory shock. <i>Annals of Intensive Care</i> , 2021, 11, 21.	2.2	35
45	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.	0.7	33
46	EMA recommendation to suspend HES is hazardous. <i>Lancet, The</i> , 2018, 391, 736-738.	6.3	33
47	Accuracy and reproducibility of long-term implanted transit-time ultrasound flow probes in dogs. <i>Intensive Care Medicine</i> , 2000, 26, 601-607.	3.9	29
48	The contemporary pulmonary artery catheter. Part 2: measurements, limitations, and clinical applications. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 17-31.	0.7	28
49	The $\Delta 5$ Ts™ of perioperative goal-directed haemodynamic therapy. <i>British Journal of Anaesthesia</i> , 2019, 123, 103-107.	1.5	27
50	Intraoperative hypotension and its prediction. <i>Indian Journal of Anaesthesia</i> , 2019, 63, 877.	0.3	27
51	Dopexamine but not dopamine increases gastric mucosal oxygenation during mechanical ventilation in dogs. <i>Critical Care Medicine</i> , 2002, 30, 881-887.	0.4	26
52	Acute Kidney Injury Classification Underestimates Long-Term Mortality After Cardiac Valve Operations. <i>Annals of Thoracic Surgery</i> , 2018, 106, 92-98.	0.7	26
53	Hypercapnia induces a concentration-dependent increase in gastric mucosal oxygenation in dogs. <i>Intensive Care Medicine</i> , 2008, 34, 1898-1906.	3.9	25
54	Predicting hypotension in perioperative and intensive care medicine. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2019, 33, 189-197.	1.7	25

#	ARTICLE	IF	CITATIONS
55	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.	1.5	24
56	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.	0.7	24
57	Fenoldopam but not dopamine selectively increases gastric mucosal oxygenation in dogs. <i>Critical Care Medicine</i> , 2003, 31, 1999-2005.	0.4	23
58	Predicting vital sign deterioration with artificial intelligence or machine learning. <i>Journal of Clinical Monitoring and Computing</i> , 2019, 33, 949-951.	0.7	23
59	Tissue oxygenation as a target for goal-directed therapy in high-risk surgery: a pilot study. <i>BMC Anesthesiology</i> , 2014, 14, 122.	0.7	22
60	Rotational thromboelastometry to assess hypercoagulability in COVID-19 patients. <i>Thrombosis Research</i> , 2020, 196, 379-381.	0.8	22
61	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.	1.0	22
62	Metrology part 1: definition of quality criteria. <i>Journal of Clinical Monitoring and Computing</i> , 2021, 35, 17-25.	0.7	22
63	The contemporary pulmonary artery catheter. Part 1: placement and waveform analysis. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 5-15.	0.7	22
64	Peep Decreases Oxygenation of the Intestinal Mucosa Despite Normalization of Cardiac Output. <i>Advances in Experimental Medicine and Biology</i> , 1998, 454, 435-440.	0.8	22
65	Metabolic regulation of cardiac output during inhalation anaesthesia in dogs. <i>Acta Anaesthesiologica Scandinavica</i> , 1999, 43, 421-430.	0.7	20
66	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.	0.4	20
67	Prognostic value of intraoperative renal tissue oxygenation measurement on early renal transplant function. <i>Transplant International</i> , 2011, 24, 687-696.	0.8	20
68	Femoral venous oxygen saturation is no surrogate for central venous oxygen saturation*. <i>Critical Care Medicine</i> , 2012, 40, 3196-3201.	0.4	20
69	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.	0.7	19
70	Minimally invasive cardiac output technologies in the ICU: putting it all together. <i>Current Opinion in Critical Care</i> , 2017, 23, 302-309.	1.6	19
71	Hypercapnic Acidosis Preserves Gastric Mucosal Microvascular Oxygen Saturation in a Canine Model of Hemorrhage. <i>Shock</i> , 2010, 34, 636-642.	1.0	18
72	Perioperative goal-directed therapy. What is the evidence?. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2019, 33, 179-187.	1.7	18

#	ARTICLE	IF	CITATIONS
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.	1.3	18
74	Perioperative goal-directed therapy in high-risk abdominal surgery. A multicenter randomized controlled superiority trial. <i>Journal of Clinical Anesthesia</i> , 2021, 75, 110506.	0.7	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.	0.8	18
76	Dopamine under $\hat{\pm}1$ -blockade, but not dopamine alone or fenoldopam, increases depressed gastric mucosal oxygenation*. <i>Critical Care Medicine</i> , 2004, 32, 150-156.	0.4	17
77	Ceftobiprole medocaril in the treatment of hospital-acquired pneumonia. <i>Future Microbiology</i> , 2015, 10, 1913-1928.	1.0	17
78	Targeting skeletal muscle tissue oxygenation (StO ₂) in adults with severe sepsis and septic shock: a randomised controlled trial (OTO-StS Study). <i>BMJ Open</i> , 2018, 8, e017581.	0.8	17
79	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.	0.6	17
80	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.	0.4	17
81	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.	1.5	16
82	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.	0.7	16
83	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.	0.7	16
84	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.	0.7	16
85	The haemodynamic instability score. <i>European Journal of Anaesthesiology</i> , 2019, 36, 290-296.	0.7	16
86	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.	0.6	15
87	Goal-directed therapy: hit early and personalize!. <i>Journal of Clinical Monitoring and Computing</i> , 2018, 32, 375-377.	0.7	15
88	Albumin, a marker for post-operative myocardial damage in cardiac surgery. <i>Journal of Critical Care</i> , 2018, 47, 55-60.	1.0	15
89	A glimpse into the future of postoperative arterial blood pressure monitoring. <i>British Journal of Anaesthesia</i> , 2020, 125, 113-115.	1.5	15
90	Patient monitoring, wearable devices, and the healthcare information ecosystem. <i>British Journal of Anaesthesia</i> , 2022, 128, 756-758.	1.5	15

#	ARTICLE	IF	CITATIONS
91	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.	1.0	15
92	Endogenous Endothelin and Vasopressin Support Blood Pressure During Epidural Anesthesia in Conscious Dogs. <i>Anesthesia and Analgesia</i> , 2001, 93, 1580-1586.	1.1	14
93	Influence of Bayesian optimization on the performance of propofol target-controlled infusion. <i>British Journal of Anaesthesia</i> , 2017, 119, 918-927.	1.5	14
94	Impaired right ventricular ejection fraction after cardiac surgery is associated with a complicated ICU stay. <i>Journal of Intensive Care</i> , 2018, 6, 85.	1.3	14
95	Distribution of perioperative stroke in cardiac surgery. <i>European Journal of Neurology</i> , 2019, 26, 184-190.	1.7	14
96	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.	0.6	14
97	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.	1.0	14
98	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.	2.5	13
99	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.	1.5	13
100	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.	0.7	13
101	Distribution of Cardioembolic Stroke: A Cohort Study. <i>Cerebrovascular Diseases</i> , 2020, 49, 97-104.	0.8	13
102	Feasibility of cardiac output measurements in critically ill patients by medical students. <i>Ultrasound Journal</i> , 2020, 12, 1.	1.3	13
103	Xenon increases total body oxygen consumption during isoflurane anaesthesia in dogs. <i>British Journal of Anaesthesia</i> , 2002, 88, 546-554.	1.5	12
104	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.	0.7	12
105	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.	1.0	12
106	Monitoring the microcirculation in the critically ill patient: reflectance spectroscopy. <i>Intensive Care Medicine</i> , 2011, 37, 1045-1046.	3.9	11
107	Influence of early goal-directed therapy using arterial waveform analysis on major complications after high-risk abdominal surgery: study protocol for a multicenter randomized controlled superiority trial. <i>Trials</i> , 2014, 15, 360.	0.7	11
108	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.	0.7	11

#	ARTICLE	IF	CITATIONS
109	Cardiac output monitoring: less invasiveness, less accuracy?. Journal of Clinical Monitoring and Computing, 2016, 30, 753-755.	0.7	11
110	Is there still a place for the Swan-Ganz catheter? No. Intensive Care Medicine, 2018, 44, 957-959.	3.9	11
111	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.	0.7	11
112	Perioperative echocardiography-guided hemodynamic therapy in high-risk patients: a practical expert approach of hemodynamically focused echocardiography. Journal of Clinical Monitoring and Computing, 2021, 35, 229-243.	0.7	11
113	Dobutamine-sparing versus dobutamine-to-all strategy in cardiac surgery: a randomized noninferiority trial. Annals of Intensive Care, 2021, 11, 15.	2.2	11
114	Performance of a minimally invasive cardiac output monitoring system (Flotrac/Vigileo). British Journal of Anaesthesia, 2008, 101, 279-280.	1.5	10
115	Association of intraoperative tissue oxygenation with suspected risk factors for tissue hypoxia. Journal of Clinical Monitoring and Computing, 2013, 27, 541-550.	0.7	10
116	Hypotension Prediction Index: from proof-of-concept to proof-of-feasibility. Journal of Clinical Monitoring and Computing, 2020, 34, 1135-1138.	0.7	10
117	Monitoring, management, and outcome of hypotension in Intensive Care Unit patients, an international survey of the European Society of Intensive Care Medicine. Journal of Critical Care, 2022, 67, 118-125.	1.0	10
118	The effect of fluid resuscitation on the effective circulating volume in patients undergoing liver surgery: a post-hoc analysis of a randomized controlled trial. Journal of Clinical Monitoring and Computing, 2018, 32, 73-80.	0.7	9
119	Using extra systoles and the micro-fluid challenge to predict fluid responsiveness during cardiac surgery. Journal of Clinical Monitoring and Computing, 2019, 33, 777-786.	0.7	9
120	Partial liquid ventilation: effects of positive end-expiratory pressure on perfluorocarbon evaporation from the lungs of anesthetized dogs. Intensive Care Medicine, 2003, 29, 467-470.	3.9	8
121	Challenge of the Mini-fluid Challenge: Filling Twice without Creating a Self-fulfilling Prophecy Design. Anesthesiology, 2018, 128, 1043-1044.	1.3	8
122	Extrasystoles for fluid responsiveness prediction in critically ill patients. Journal of Intensive Care, 2018, 6, 52.	1.3	8
123	Oxygenation of the Intestinal Mucosa in Anaesthetized Dogs is Attenuated by Intermittent Positive Pressure Ventilation (IPPV) with Positive End-Expiratory Pressure (PEEP). Advances in Experimental Medicine and Biology, 1997, 428, 385-389.	0.8	8
124	Accuracy of feedback-controlled oxygen delivery into a closed anaesthesia circuit for measurement of oxygen consumption $\dot{V}O_2$. British Journal of Anaesthesia, 2003, 90, 281-290.	1.5	7
125	Journal of Clinical Monitoring and Computing 2016 end of year summary: cardiovascular and hemodynamic monitoring. Journal of Clinical Monitoring and Computing, 2017, 31, 5-17.	0.7	7
126	Ultrasound-guided central venous catheter placement: first things first. Critical Care, 2017, 21, 331.	2.5	7

#	ARTICLE	IF	CITATIONS
127	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.	0.6	7
128	VitalDB: fostering collaboration in anaesthesia research. <i>British Journal of Anaesthesia</i> , 2021, 127, 184-187.	1.5	7
129	What is new in microcirculation and tissue oxygenation monitoring?. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 291-299.	0.7	7
130	Desflurane increases heart rate independent of sympathetic activity in dogs. <i>European Journal of Anaesthesiology</i> , 2003, 20, 945-951.	0.7	6
131	Accurate and continuous measurement of oxygen deficit during haemorrhage in pigs. <i>Resuscitation</i> , 2009, 80, 259-263.	1.3	6
132	Do intravascular hypo- and hypervolaemia result in changes in central blood volumes?. <i>British Journal of Anaesthesia</i> , 2016, 116, 46-53.	1.5	6
133	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.	2.5	6
134	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.	1.3	6
135	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.	0.7	6
136	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.	0.7	6
137	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.	0.7	6
138	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.	0.7	6
139	Pulse Dye Densitometry and Indocyanine Green Plasma Disappearance. <i>Anesthesia and Analgesia</i> , 2010, 111, 1075-1076.	1.1	6
140	NIRS during therapeutic hypothermia: Cool or hot?. <i>Resuscitation</i> , 2013, 84, 720-721.	1.3	5
141	Journal of Clinical Monitoring and Computing 2015 end of year summary: cardiovascular and hemodynamic monitoring. <i>Journal of Clinical Monitoring and Computing</i> , 2016, 30, 129-139.	0.7	5
142	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.	1.0	5
143	Propofol improves colonic but impairs hepatic mitochondrial function in tissue homogenates from healthy rats. <i>European Journal of Pharmacology</i> , 2019, 853, 364-370.	1.7	5
144	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.	0.7	5

#	ARTICLE	IF	CITATIONS
145	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.	0.7	5
146	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.	0.7	5
147	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.	0.7	5
148	Perioperative Hemodynamic Monitoring. <i>Anesthesiology Clinics</i> , 2021, 39, 441-456.	0.6	5
149	Continuous non-invasive haemodynamic monitoring. <i>European Journal of Anaesthesiology</i> , 2017, 34, 713-715.	0.7	5
150	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.	0.7	5
151	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.	1.5	4
152	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.	0.7	4
153	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.	0.7	4
154	Improved haemodynamic stability and cerebral tissue oxygenation after induction of anaesthesia with sufentanil compared to remifentanyl: a randomised controlled trial. <i>BMC Anesthesiology</i> , 2020, 20, 258.	0.7	4
155	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.	1.6	4
156	Existing fluid responsiveness studies using the miniâ€œfluid challenge may be misleading: Methodological considerations and simulations. <i>Acta Anaesthesiologica Scandinavica</i> , 2021, , .	0.7	4
157	Wireless wearables for postoperative surveillance on surgical wards: a survey of 1158 anaesthesiologists in Western Europe and the USA. , 2022, 1, 100002.		4
158	<scp>Transfusion practice</scp> in the bleeding critically ill: An international online surveyâ€œThe <scp>TRACE</scp>â€œ survey. <i>Transfusion</i> , 2022, 62, 324-335.	0.8	4
159	Effects of pulmonary blood volume on vascular reactivity in the lung. <i>Intensive Care Medicine</i> , 1999, 25, 1413-1420.	3.9	3
160	Pharmacologic Interventions to Improve Splanchnic Oxygenation During Ventilation with Positive End-Expiratory Pressure. <i>Advances in Experimental Medicine and Biology</i> , 2012, 737, 235-238.	0.8	3
161	The differential effects of recombinant brain natriuretic peptide, nitroglycerine and dihydralazine on systemic oxygen delivery and gastric mucosal microvascular oxygenation in dogs*. <i>Anaesthesia</i> , 2012, 67, 501-507.	1.8	3
162	Novel hemostatic patch achieves sutureless epicardial wound closure during complex cardiac surgery, a case report. <i>Journal of Cardiothoracic Surgery</i> , 2015, 10, 12.	0.4	3

#	ARTICLE	IF	CITATIONS
163	How to "validate" newly developed cardiac output monitoring devices. Journal of Clinical Monitoring and Computing, 2016, 30, 147-148.	0.7	3
164	Methodology in systematic reviews of goal-directed therapy: improving but not perfect. British Journal of Anaesthesia, 2017, 119, 18-21.	1.5	3
165	Journal of Clinical Monitoring and Computing 2017 end of year summary: cardiovascular and hemodynamic monitoring. Journal of Clinical Monitoring and Computing, 2018, 32, 189-196.	0.7	3
166	The response of a standardized fluid challenge during cardiac surgery on cerebral oxygen saturation measured with near-infrared spectroscopy. Journal of Clinical Monitoring and Computing, 2020, 34, 245-251.	0.7	3
167	Journal of Clinical Monitoring and Computing end of year summary 2019: hemodynamic monitoring and management. Journal of Clinical Monitoring and Computing, 2020, 34, 207-219.	0.7	3
168	Journal of Clinical Monitoring and Computing 2019 end of year summary: monitoring tissue oxygenation and perfusion and its autoregulation. Journal of Clinical Monitoring and Computing, 2020, 34, 389-395.	0.7	3
169	To a new chapter. Journal of Clinical Monitoring and Computing, 2021, 35, 1-2.	0.7	3
170	Heart rate and the assessment of changes in venous return after phenylephrine. Journal of Applied Physiology, 2013, 114, 1646-1646.	1.2	2
171	Colloids and Crystalloids. Critical Care Medicine, 2014, 42, e676.	0.4	2
172	Advanced hemodynamic monitoring in the critically ill patient: Nice to have or need to treat?. Journal of Clinical Monitoring and Computing, 2016, 30, 507-508.	0.7	2
173	International point prevalence study of Intensive Care Unit transfusion practices" Pilot study in the Netherlands. Transfusion Clinique Et Biologique, 2019, 26, 202-208.	0.2	2
174	Risk and prognosis of COVID-19 in patients treated with renin"angiotensin"aldosterone inhibitors. European Journal of Anaesthesiology, 2020, 37, 739-742.	0.7	2
175	Cerebral monitoring in surgical ICU patients. Current Opinion in Critical Care, 2021, Publish Ahead of Print, 701-708.	1.6	2
176	High Versus Normal Blood Pressure Targets in Relation to Right Ventricular Dysfunction After Cardiac Surgery: A Randomized Controlled Trial. Journal of Cardiothoracic and Vascular Anesthesia, 2021, 35, 2980-2990.	0.6	2
177	This is your toolkit in hemodynamic monitoring. Current Opinion in Critical Care, 2020, 26, 303-312.	1.6	2
178	Endogenous nitric oxide reduces the efficacy of the endothelin system to maintain blood pressure during high epidural anaesthesia in conscious dogs. European Journal of Anaesthesiology, 2007, 24, 689-696.	0.7	1
179	Microcirculatory monitoring of a Jehovah's Witness suffering from haemorrhagic shock. European Journal of Anaesthesiology, 2008, 25, 81-83.	0.7	1
180	Good old physiology in a modern jacket*. Critical Care Medicine, 2012, 40, 3309-3311.	0.4	1

#	ARTICLE	IF	CITATIONS
181	The Validity of Eady in Spontaneously Breathing Patients. <i>Anesthesia and Analgesia</i> , 2015, 121, 1400.	1.1	1
182	Intracardiac Mass of Unknown Origin. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017, 31, 1145-1147.	0.6	1
183	Now You See Me, Now You Don't™. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017, 31, 229-230.	0.6	1
184	Saline studies: how (not) to put nails in the coffin. <i>British Journal of Anaesthesia</i> , 2018, 120, 203-205.	1.5	1
185	Prognostic value of intraoperative measurements of renal tissue oxygenation and microcirculation on renal function in partial nephrectomy. <i>Clinical and Experimental Nephrology</i> , 2018, 22, 735-742.	0.7	1
186	Which type of fluid to use perioperatively?. <i>Journal of Emergency and Critical Care Medicine</i> , 2019, 3, 51-51.	0.7	1
187	Very early creatinine changes and 30-day mortality after cardiac surgery. <i>European Journal of Anaesthesiology</i> , 2021, 38, 665.	0.7	1
188	Early Thromboembolic Stroke Risk of Postoperative Atrial Fibrillation Following Cardiac Surgery. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2021, . .	0.6	1
189	Plasma from patients undergoing coronary artery bypass graft surgery does not activate endothelial cells under shear stress in vitro. <i>International Journal of Critical Illness and Injury Science</i> , 2021, 11, 144.	0.2	1
190	Clonidine Elicits A Long-Term Depression in Mucosal Red Cell Flux. , 2007, 599, 17-22.		1
191	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.	0.7	1
192	Do alterations in pulmonary vascular tone result in changes in central blood volumes? An experimental study. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 59.	0.9	1
193	Reply from the authors: Are we ready for non-invasive blood pressure monitoring?â€”reply. <i>British Journal of Anaesthesia</i> , 2015, 115, 130-131.	1.5	0
194	Year in review in journal of clinical monitoring and computing 2014: cardiovascular and hemodynamic monitoring. <i>Journal of Clinical Monitoring and Computing</i> , 2015, 29, 203-207.	0.7	0
195	More hemodynamic monitoring for personalized treatment in circulatory failure. <i>Current Opinion in Critical Care</i> , 2017, 23, 291-292.	1.6	0
196	The potential power and hidden hazards of Trial Sequential Analysis regarding viscoelastic blood tests in cardiac surgery. Comment on <i>Br J Anaesth</i> 2017; 118: 823â€“33. <i>British Journal of Anaesthesia</i> , 2018, 121, 977-978.	1.5	0
197	Dislodged Tip of Damaged Central Venous Catheter After Radiofrequent Cox-Maze IV Procedure: an AMAZING Finding. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 2363-2365.	0.6	0
198	Preface on advances in hemodynamic monitoring in perioperative medicine. <i>Bailliere's Best Practice and Research in Clinical Anaesthesiology</i> , 2019, 33, 125-126.	1.7	0

#	ARTICLE	IF	CITATIONS
199	Arterial Blood Pressure. Lessons From the ICU, 2019, , 233-245.	0.1	0
200	Artificial Intelligence and Predictive Analytics. , 2021, , 287-293.		0