Frederic Michard

List of Publications by Year in Descending Order

69 papers	7,671 citations	28 h-index	87 g-index
89 ext. papers	9,364 ext. citations	5 avg, IF	6.5 L-index

#	Paper	IF	Citations
69	Evaluation of a new smartphone optical blood pressure application (OptiBP) in the post-anesthesia care unit: a method comparison study against the non-invasive automatic oscillometric brachial cuff as the reference method.. *Journal of Clinical Monitoring and Computing*, **2022**, 1	2	0
68	Goal-directed haemodynamic therapy: what else? Comment on Br J Anaesth 2022.. *British Journal of Anaesthesia*, **2022**,	5.4	0
67	Wireless wearables for postoperative surveillance on surgical wards: a survey of 1158 anaesthesiologists in Western Europe and the USA **2022**, 1, 100002		1
66	The impact of arterial pressure waveform underdamping and resonance filters on cardiac output measurements with pulse wave analysis.. *British Journal of Anaesthesia*, **2022**,	5.4	0
65	Agreement between continuous and intermittent pulmonary artery thermodilution for cardiac output measurement in perioperative and intensive care medicine: a systematic review and meta-analysis. *Critical Care*, **2021**, 25, 125	10.8	2
64	Coronavirus Disease 2019: There Is a Heart Between the Lungs. *Critical Care Medicine*, **2021**, 49, 1832-1835	7.4	1
63	Rethinking Patient Surveillance on Hospital Wards. *Anesthesiology*, **2021**, 135, 531-540	4.3	9
62	Critically ill patients with COVID-19: are they hemodynamically unstable and do we know why?. *Intensive Care Medicine*, **2021**, 47, 254-255	14.5	15
61	New Methods and Sensors for Hemodynamic Monitoring **2021**, 267-274		
60	Predicting fluid responsiveness in non-intubated COVID-19 patients. *Annals of Intensive Care*, **2021**, 11, 19	8.9	1
59	Could strain echocardiography help to assess systolic function in critically ill COVID-19 patients?. *Journal of Clinical Monitoring and Computing*, **2021**, 35, 1229-1234	2	2
58	Clinical evaluation of a wearable sensor for mobile monitoring of respiratory rate on hospital wards. *Journal of Clinical Monitoring and Computing*, **2021**, 1	2	0
57	Toward Smart Monitoring with Phones, Watches, and Wearable Sensors. *Anesthesiology Clinics*, **2021**, 39, 555-564	2.3	4
56	Should We Monitor Pulsus Paradoxus via Pulse Oximetry in Patients with COVID-19 and Acute Respiratory Failure?. *American Journal of Respiratory and Critical Care Medicine*, **2020**, 202, 770-771	10.2	3
55	Rethinking the post-COVID-19 pandemic hospital: more ICU beds or smart monitoring on the wards?. *Intensive Care Medicine*, **2020**, 46, 1792-1793	14.5	9
54	A Carotid Doppler Patch Accurately Tracks Stroke Volume Changes During a Preload-Modifying Maneuver in Healthy Volunteers **2020**, 2, e0072		18
53	Do changes in perfusion index reflect changes in stroke volume during preload-modifying manoeuvres?. *Journal of Clinical Monitoring and Computing*, **2020**, 34, 1193-1198	2	7

52	Haemodynamic monitoring and management in COVID-19 intensive care patients: an International survey. *Anaesthesia, Critical Care & Pain Medicine*, **2020**, 39, 563-569	3	14
51	Shedding light on perioperative hemodynamic monitoring. *Journal of Clinical Monitoring and Computing*, **2020**, 34, 621-624	2	2
50	Perioperative hemodynamic management 4.0. *Baillieres Best Practice and Research in Clinical Anaesthesiology*, **2019**, 33, 247-255	4	6
49	Perioperative Quality Initiative consensus statement on postoperative blood pressure, risk and outcomes for elective surgery. *British Journal of Anaesthesia*, **2019**, 122, 575-586	5.4	42
48	Lung water assessment: from gravimetry to wearables. *Journal of Clinical Monitoring and Computing* , **2019**, 33, 1-4	2	5
47	Arterial Pulse Pressure Variation with Mechanical Ventilation. *American Journal of Respiratory and Critical Care Medicine*, **2019**, 199, 22-31	10.2	44
46	Toward the Shazam-Like Identification of Valve Diseases with Digital Auscultation?. *American Journal of Medicine*, **2019**, 132, e595-e596	2.4	2
45	Perioperative Quality Initiative consensus statement on intraoperative blood pressure, risk and outcomes for elective surgery. *British Journal of Anaesthesia*, **2019**, 122, 563-574	5.4	132
44	Perioperative Quality Initiative consensus statement on preoperative blood pressure, risk and outcomes for elective surgery. *British Journal of Anaesthesia*, **2019**, 122, 552-562	5.4	31
43	Perioperative Quality Initiative consensus statement on the physiology of arterial blood pressure control in perioperative medicine. *British Journal of Anaesthesia*, **2019**, 122, 542-551	5.4	31
42	Is your smartphone the future of physiologic monitoring?. *Intensive Care Medicine*, **2019**, 45, 869-871	14.5	7
41	The rise of ward monitoring: opportunities and challenges for critical care specialists. *Intensive Care Medicine*, **2019**, 45, 671-673	14.5	20
40	Non-invasive arterial pressure monitoring revisited. *Intensive Care Medicine*, **2018**, 44, 2213-2215	14.5	18
39	Intensive care medicine in 2050: towards critical care without central lines. *Intensive Care Medicine*, **2018**, 44, 922-924	14.5	2
38	Intensive care medicine in 2050: NEWS for hemodynamic monitoring. *Intensive Care Medicine*, **2017**, 43, 440-442	14.5	12
37	Digital innovations and emerging technologies for enhanced recovery programmes. *British Journal of Anaesthesia*, **2017**, 119, 31-39	5.4	43
36	Smartphones to Assess Cardiac Function: Novelty Blindness or Fresh Perspectives?. *Critical Care Medicine*, **2017**, 45, e1199-e1201	1.4	4
35	A sneak peek into digital innovations and wearable sensors for cardiac monitoring. *Journal of Clinical Monitoring and Computing*, **2017**, 31, 253-259	2	32

34	Smartphones and e-tablets in perioperative medicine. *Korean Journal of Anesthesiology*, **2017**, 70, 493-498	3.8	12
33	Hemodynamic monitoring in the era of digital health. *Annals of Intensive Care*, **2016**, 6, 15	8.9	34
32	MERCI for Improving Quality of Surgical Care at No Cost. *World Journal of Surgery*, **2016**, 40, 3095-3096	3.3	3
31	Potential return on investment for implementation of perioperative goal-directed fluid therapy in major surgery: a nationwide database study. *Perioperative Medicine (London, England)*, **2015**, 4, 11	2.8	21
30	The effects of goal-directed fluid therapy based on dynamic parameters on post-surgical outcome: a meta-analysis of randomized controlled trials. *Critical Care*, **2014**, 18, 584	10.8	153
29	Decision support for hemodynamic management: from graphical displays to closed loop systems. *Anesthesia and Analgesia*, **2013**, 117, 876-882	3.9	19
28	Predicting fluid responsiveness with stroke volume variation despite multiple extrasystoles. *Critical Care Medicine*, **2012**, 40, 193-8	1.4	27
27	Stroke volume variation: from applied physiology to improved outcomes. *Critical Care Medicine*, **2011**, 39, 402-3	1.4	30
26	The camel curve: the icing on the transpulmonary thermodilution cake. *Critical Care Medicine*, **2011**, 39, 611-2; author reply 612	1.4	1
25	Arterial pressure-based cardiac output monitoring: a multicenter validation of the third-generation software in septic patients. *Intensive Care Medicine*, **2011**, 37, 233-40	14.5	106
24	Online monitoring of pulse pressure variation to guide fluid therapy after cardiac surgery. *Anesthesia and Analgesia*, **2008**, 106, 1201-6, table of contents	3.9	86
23	Using pulse oximetry waveform analysis to guide fluid therapy: are we there yet?. *Anesthesia and Analgesia*, **2007**, 104, 1606-7; author reply 1607-9	3.9	5
22	Bedside assessment of extravascular lung water by dilution methods: temptations and pitfalls. *Critical Care Medicine*, **2007**, 35, 1186-92	1.4	164
21	Pulse contour analysis: fairy tale or new reality?. *Critical Care Medicine*, **2007**, 35, 1791-2	1.4	27
20	The times are a-changinT should we bury the yellow catheter?. *Critical Care Medicine*, **2007**, 35, 1427-8	1.4	3
19	Volume management in critically ill patients: New insights. *Clinics*, **2006**, 61, 345-50	2.3	14
18	Factors influencing the estimation of extravascular lung water by transpulmonary thermodilution in critically ill patients. *Critical Care Medicine*, **2005**, 33, 1243-7	1.4	117
17	Volume management using dynamic parameters: the good, the bad, and the ugly. *Chest*, **2005**, 128, 1902-3	5.3	43

16	Changes in arterial pressure during mechanical ventilation. *Anesthesiology*, **2005**, 103, 419-28; quiz 449-5	4.3	1517
15	The respiratory variation in inferior vena cava diameter as a guide to fluid therapy. *Intensive Care Medicine*, **2004**, 30, 1834-7	14.5	567
14	Monitoring right-to-left intracardiac shunt in acute respiratory distress syndrome. *Critical Care Medicine*, **2004**, 32, 308-9	1.4	43
13	Looking at transpulmonary thermodilution curves: the cross-talk phenomenon. *Chest*, **2004**, 126, 656-7	5.3	33
12	Prediction of fluid responsiveness: searching for the Holy Grail. *Journal of Applied Physiology*, **2004**, 97, 790-1; author reply 791	3.7	7
11	More respect for respiratory variation in arterial pressure. *American Journal of Respiratory and Critical Care Medicine*, **2004**, 169, 1333-4; author reply 1334	10.2	2
10	Global end-diastolic volume as an indicator of cardiac preload in patients with septic shock. *Chest*, **2003**, 124, 1900-8	5.3	309
9	Arterial pressure monitoring in septic shock. *Intensive Care Medicine*, **2003**, 29, 659	14.5	8
8	Influence of tidal volume on stroke volume variation. Does it really matter?. *Intensive Care Medicine*, **2003**, 29, 1613	14.5	26
7	Predicting fluid responsiveness in ICU patients: a critical analysis of the evidence. *Chest*, **2002**, 121, 2000-8	5.3	1127
6	Clinical prediction of fluid responsiveness in acute circulatory failure related to sepsis. *Intensive Care Medicine*, **2001**, 27, 1238	14.5	37
5	Extending inspiratory time in acute respiratory distress syndrome. *Critical Care Medicine*, **2001**, 29, 40-4	1.4	61
4	Respiratory changes in aortic blood velocity as an indicator of fluid responsiveness in ventilated patients with septic shock. *Chest*, **2001**, 119, 867-73	5.3	473
3	Relation between respiratory changes in arterial pulse pressure and fluid responsiveness in septic patients with acute circulatory failure. *American Journal of Respiratory and Critical Care Medicine*, **2000**, 162, 134-8	10.2	1567
2	Clinical use of respiratory changes in arterial pulse pressure to monitor the hemodynamic effects of PEEP. *American Journal of Respiratory and Critical Care Medicine*, **1999**, 159, 935-9	10.2	282
1	Cardiovascular repercussions of seizures during cyclic antidepressant poisoning. *Journal of Toxicology: Clinical Toxicology*, **1995**, 33, 205-11		33