

Frederic Michard

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Relation between respiratory changes in arterial pulse pressure and fluid responsiveness in septic patients with acute circulatory failure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2000 , 162, 134-8	10.2	1567
68	Changes in arterial pressure during mechanical ventilation. <i>Anesthesiology</i> , 2005 , 103, 419-28; quiz 449-54	5.3	1517
67	Predicting fluid responsiveness in ICU patients: a critical analysis of the evidence. <i>Chest</i> , 2002 , 121, 2000-8	5.3	1127
66	The respiratory variation in inferior vena cava diameter as a guide to fluid therapy. <i>Intensive Care Medicine</i> , 2004 , 30, 1834-7	14.5	567
65	Respiratory changes in aortic blood velocity as an indicator of fluid responsiveness in ventilated patients with septic shock. <i>Chest</i> , 2001 , 119, 867-73	5.3	473
64	Global end-diastolic volume as an indicator of cardiac preload in patients with septic shock. <i>Chest</i> , 2003 , 124, 1900-8	5.3	309
63	Clinical use of respiratory changes in arterial pulse pressure to monitor the hemodynamic effects of PEEP. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1999 , 159, 935-9	10.2	282
62	Bedside assessment of extravascular lung water by dilution methods: temptations and pitfalls. <i>Critical Care Medicine</i> , 2007 , 35, 1186-92	1.4	164
61	The effects of goal-directed fluid therapy based on dynamic parameters on post-surgical outcome: a meta-analysis of randomized controlled trials. <i>Critical Care</i> , 2014 , 18, 584	10.8	153
60	Perioperative Quality Initiative consensus statement on intraoperative blood pressure, risk and outcomes for elective surgery. <i>British Journal of Anaesthesia</i> , 2019 , 122, 563-574	5.4	132
59	Factors influencing the estimation of extravascular lung water by transpulmonary thermodilution in critically ill patients. <i>Critical Care Medicine</i> , 2005 , 33, 1243-7	1.4	117
58	Arterial pressure-based cardiac output monitoring: a multicenter validation of the third-generation software in septic patients. <i>Intensive Care Medicine</i> , 2011 , 37, 233-40	14.5	106
57	Online monitoring of pulse pressure variation to guide fluid therapy after cardiac surgery. <i>Anesthesia and Analgesia</i> , 2008 , 106, 1201-6, table of contents	3.9	86
56	Extending inspiratory time in acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2001 , 29, 40-4	1.4	61
55	Arterial Pulse Pressure Variation with Mechanical Ventilation. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019 , 199, 22-31	10.2	44
54	Digital innovations and emerging technologies for enhanced recovery programmes. <i>British Journal of Anaesthesia</i> , 2017 , 119, 31-39	5.4	43
53	Monitoring right-to-left intracardiac shunt in acute respiratory distress syndrome. <i>Critical Care Medicine</i> , 2004 , 32, 308-9	1.4	43

52	Volume management using dynamic parameters: the good, the bad, and the ugly. <i>Chest</i> , 2005 , 128, 1902-3	5.3	43
51	Perioperative Quality Initiative consensus statement on postoperative blood pressure, risk and outcomes for elective surgery. <i>British Journal of Anaesthesia</i> , 2019 , 122, 575-586	5.4	42
50	Clinical prediction of fluid responsiveness in acute circulatory failure related to sepsis. <i>Intensive Care Medicine</i> , 2001 , 27, 1238	14.5	37
49	Hemodynamic monitoring in the era of digital health. <i>Annals of Intensive Care</i> , 2016 , 6, 15	8.9	34
48	Looking at transpulmonary thermodilution curves: the cross-talk phenomenon. <i>Chest</i> , 2004 , 126, 656-7	5.3	33
47	Cardiovascular repercussions of seizures during cyclic antidepressant poisoning. <i>Journal of Toxicology: Clinical Toxicology</i> , 1995 , 33, 205-11		33
46	A sneak peek into digital innovations and wearable sensors for cardiac monitoring. <i>Journal of Clinical Monitoring and Computing</i> , 2017 , 31, 253-259	2	32
45	Perioperative Quality Initiative consensus statement on preoperative blood pressure, risk and outcomes for elective surgery. <i>British Journal of Anaesthesia</i> , 2019 , 122, 552-562	5.4	31
44	Perioperative Quality Initiative consensus statement on the physiology of arterial blood pressure control in perioperative medicine. <i>British Journal of Anaesthesia</i> , 2019 , 122, 542-551	5.4	31
43	Stroke volume variation: from applied physiology to improved outcomes. <i>Critical Care Medicine</i> , 2011 , 39, 402-3	1.4	30
42	Predicting fluid responsiveness with stroke volume variation despite multiple extrasystoles. <i>Critical Care Medicine</i> , 2012 , 40, 193-8	1.4	27
41	Pulse contour analysis: fairy tale or new reality?. <i>Critical Care Medicine</i> , 2007 , 35, 1791-2	1.4	27
40	Influence of tidal volume on stroke volume variation. Does it really matter?. <i>Intensive Care Medicine</i> , 2003 , 29, 1613	14.5	26
39	Potential return on investment for implementation of perioperative goal-directed fluid therapy in major surgery: a nationwide database study. <i>Perioperative Medicine (London, England)</i> , 2015 , 4, 11	2.8	21
38	The rise of ward monitoring: opportunities and challenges for critical care specialists. <i>Intensive Care Medicine</i> , 2019 , 45, 671-673	14.5	20
37	Decision support for hemodynamic management: from graphical displays to closed loop systems. <i>Anesthesia and Analgesia</i> , 2013 , 117, 876-882	3.9	19
36	A Carotid Doppler Patch Accurately Tracks Stroke Volume Changes During a Preload-Modifying Maneuver in Healthy Volunteers 2020 , 2, e0072		18
35	Non-invasive arterial pressure monitoring revisited. <i>Intensive Care Medicine</i> , 2018 , 44, 2213-2215	14.5	18

34	Critically ill patients with COVID-19: are they hemodynamically unstable and do we know why?. <i>Intensive Care Medicine</i> , 2021 , 47, 254-255	14.5	15
33	Volume management in critically ill patients: New insights. <i>Clinics</i> , 2006 , 61, 345-50	2.3	14
32	Haemodynamic monitoring and management in COVID-19 intensive care patients: an International survey. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020 , 39, 563-569	3	14
31	Intensive care medicine in 2050: NEWS for hemodynamic monitoring. <i>Intensive Care Medicine</i> , 2017 , 43, 440-442	14.5	12
30	Smartphones and e-tablets in perioperative medicine. <i>Korean Journal of Anesthesiology</i> , 2017 , 70, 493-498	9.8	12
29	Rethinking the post-COVID-19 pandemic hospital: more ICU beds or smart monitoring on the wards?. <i>Intensive Care Medicine</i> , 2020 , 46, 1792-1793	14.5	9
28	Rethinking Patient Surveillance on Hospital Wards. <i>Anesthesiology</i> , 2021 , 135, 531-540	4.3	9
27	Arterial pressure monitoring in septic shock. <i>Intensive Care Medicine</i> , 2003 , 29, 659	14.5	8
26	Prediction of fluid responsiveness: searching for the Holy Grail. <i>Journal of Applied Physiology</i> , 2004 , 97, 790-1; author reply 791	3.7	7
25	Do changes in perfusion index reflect changes in stroke volume during preload-modifying manoeuvres?. <i>Journal of Clinical Monitoring and Computing</i> , 2020 , 34, 1193-1198	2	7
24	Is your smartphone the future of physiologic monitoring?. <i>Intensive Care Medicine</i> , 2019 , 45, 869-871	14.5	7
23	Perioperative hemodynamic management 4.0. <i>Baillieres Best Practice and Research in Clinical Anaesthesiology</i> , 2019 , 33, 247-255	4	6
22	Lung water assessment: from gravimetry to wearables. <i>Journal of Clinical Monitoring and Computing</i> , 2019 , 33, 1-4	2	5
21	Using pulse oximetry waveform analysis to guide fluid therapy: are we there yet?. <i>Anesthesia and Analgesia</i> , 2007 , 104, 1606-7; author reply 1607-9	3.9	5
20	Smartphones to Assess Cardiac Function: Novelty Blindness or Fresh Perspectives?. <i>Critical Care Medicine</i> , 2017 , 45, e1199-e1201	1.4	4
19	Toward Smart Monitoring with Phones, Watches, and Wearable Sensors. <i>Anesthesiology Clinics</i> , 2021 , 39, 555-564	2.3	4
18	Should We Monitor Pulsus Paradoxus via Pulse Oximetry in Patients with COVID-19 and Acute Respiratory Failure?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020 , 202, 770-771	10.2	3
17	The times are a-changinT should we bury the yellow catheter?. <i>Critical Care Medicine</i> , 2007 , 35, 1427-8	1.4	3

16	MERCI for Improving Quality of Surgical Care at No Cost. <i>World Journal of Surgery</i> , 2016 , 40, 3095-3096	3.3	3
15	Toward the Shazam-Like Identification of Valve Diseases with Digital Auscultation?. <i>American Journal of Medicine</i> , 2019 , 132, e595-e596	2.4	2
14	More respect for respiratory variation in arterial pressure. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004 , 169, 1333-4; author reply 1334	10.2	2
13	Agreement between continuous and intermittent pulmonary artery thermodilution for cardiac output measurement in perioperative and intensive care medicine: a systematic review and meta-analysis. <i>Critical Care</i> , 2021 , 25, 125	10.8	2
12	Shedding light on perioperative hemodynamic monitoring. <i>Journal of Clinical Monitoring and Computing</i> , 2020 , 34, 621-624	2	2
11	Could strain echocardiography help to assess systolic function in critically ill COVID-19 patients?. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 35, 1229-1234	2	2
10	Intensive care medicine in 2050: towards critical care without central lines. <i>Intensive Care Medicine</i> , 2018 , 44, 922-924	14.5	2
9	The camel curve: the icing on the transpulmonary thermodilution cake. <i>Critical Care Medicine</i> , 2011 , 39, 611-2; author reply 612	1.4	1
8	Coronavirus Disease 2019: There Is a Heart Between the Lungs. <i>Critical Care Medicine</i> , 2021 , 49, 1832-1835	1	1
7	Predicting fluid responsiveness in non-intubated COVID-19 patients. <i>Annals of Intensive Care</i> , 2021 , 11, 19	8.9	1
6	Wireless wearables for postoperative surveillance on surgical wards: a survey of 1158 anaesthesiologists in Western Europe and the USA 2022 , 1, 100002		1
5	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.. <i>Journal of Clinical Monitoring and Computing</i> , 2022 , 1	2	0
4	Goal-directed haemodynamic therapy: what else? Comment on Br J Anaesth 2022.. <i>British Journal of Anaesthesia</i> , 2022 ,	5.4	0
3	Clinical evaluation of a wearable sensor for mobile monitoring of respiratory rate on hospital wards. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 1	2	0
2	The impact of arterial pressure waveform underdamping and resonance filters on cardiac output measurements with pulse wave analysis.. <i>British Journal of Anaesthesia</i> , 2022 ,	5.4	0
1	New Methods and Sensors for Hemodynamic Monitoring 2021 , 267-274		