

Maurizio Cecconi

List of Publications by Year in Descending Order

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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.

268 papers	22,461 citations	58 h-index	147 g-index
317 ext. papers	30,603 ext. citations	8.4 avg, IF	7.43 L-index

#	Paper	IF	Citations
268	Surviving Capnocytophaga Canimorsus Septic Shock: Intertwining a Challenging Diagnosis with Prompt Treatment.. <i>Diagnostics</i> , 2022 , 12,	3.8	
267	A Multiomic Approach of Saliva Metabolomics, Microbiota, and Serum Biomarkers to Assess the Need of Hospitalization in Coronavirus Disease 2019. 2022 , 1, 194-209		1
266	Increased 30-day mortality in very old ICU patients with COVID-19 compared to patients with respiratory failure without COVID-19.. <i>Intensive Care Medicine</i> , 2022 , 48, 435	14.5	1
265	Early prediction of SARS-CoV-2 reproductive number from environmental, atmospheric and mobility data: A supervised machine learning approach.. <i>International Journal of Medical Informatics</i> , 2022 , 162, 104755	5.3	0
264	Lung response to prone positioning in mechanically-ventilated patients with COVID-19.. <i>Critical Care</i> , 2022 , 26, 127	10.8	0
263	Variation in communication and family visiting policies in intensive care within and between countries during the Covid-19 pandemic: The COVISIT international survey.. <i>Journal of Critical Care</i> , 2022 , 71, 154050	4	2
262	Outcome prediction during an ICU surge using a purely data-driven approach: A supervised machine learning case-study in critically ill patients from COVID-19 Lombardy outbreak. <i>International Journal of Medical Informatics</i> , 2022 , 164, 104807	5.3	3
261	Renal resistive index as a predictor of postoperative complications in liver resection surgery. Observational study. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 35, 731-740	2	4
260	Time course of risk factors associated with mortality of 1260 critically ill patients with COVID-19 admitted to 24 Italian intensive care units. <i>Intensive Care Medicine</i> , 2021 , 47, 995-1008	14.5	5
259	Association between tracheostomy timing and outcomes for older critically ill COVID-19 patients: prospective observational study in European intensive care units.. <i>British Journal of Anaesthesia</i> , 2021 ,	5.4	5
258	Management and outcomes in critically ill nonagenarian versus octogenarian patients. <i>BMC Geriatrics</i> , 2021 , 21, 576	4.1	1
257	Clinical Outcomes in the Second versus First Pandemic Wave in Italy: Impact of Hospital Changes and Reorganization. <i>Applied Sciences (Switzerland)</i> , 2021 , 11, 9342	2.6	0
256	Surviving Sepsis Campaign: International Guidelines for Management of Sepsis and Septic Shock 2021. <i>Critical Care Medicine</i> , 2021 , 49, e1063-e1143	1.4	131
255	Executive Summary: Surviving Sepsis Campaign: International Guidelines for the Management of Sepsis and Septic Shock 2021. <i>Critical Care Medicine</i> , 2021 , 49, 1974-1982	1.4	31
254	Lung response to a higher positive end-expiratory pressure in mechanically ventilated patients with COVID-19. <i>Chest</i> , 2021 ,	5.3	5
253	Transfusion strategies in bleeding critically ill adults: a clinical practice guideline from the European Society of Intensive Care Medicine. <i>Intensive Care Medicine</i> , 2021 , 47, 1368-1392	14.5	9
252	Surviving sepsis campaign: international guidelines for management of sepsis and septic shock 2021. <i>Intensive Care Medicine</i> , 2021 , 47, 1181-1247	14.5	199

251	Multivariable haemodynamic approach to predict the fluid challenge response: A multicentre cohort study. <i>European Journal of Anaesthesiology</i> , 2021 , 38, 22-31	2.3	2
250	Circulating pentraxin 3 in severe COVID-19 or other pulmonary sepsis. <i>European Journal of Clinical Investigation</i> , 2021 , 51, e13530	4.6	4
249	Long COVID hallmarks on [18F]FDG-PET/CT: a case-control study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 3187-3197	8.8	30
248	How the COVID-19 pandemic will change the future of critical care. <i>Intensive Care Medicine</i> , 2021 , 47, 282-291	14.5	34
247	Frailty is associated with long-term outcome in patients with sepsis who are over 80 years old: results from an observational study in 241 European ICUs. <i>Age and Ageing</i> , 2021 , 50, 1719-1727	3	8
246	The impact of frailty on survival in elderly intensive care patients with COVID-19: the COVIP study. <i>Critical Care</i> , 2021 , 25, 149	10.8	30
245	Critical Care Outreach Team During COVID-19: Ventilatory Support in the Ward and Outcomes. <i>Respiratory Care</i> , 2021 , 66, 928-935	2.1	0
244	Systolic dysfunction as evaluated by tissue Doppler imaging echocardiography and mortality in septic patients: A systematic review and meta-analysis. <i>Journal of Critical Care</i> , 2021 , 62, 256-264	4	9
243	Perioperative Management of Complex Hepatectomy for Colorectal Liver Metastases: The Alliance between the Surgeon and the Anesthetist. <i>Cancers</i> , 2021 , 13,	6.6	3
242	The effect of COVID-19 epidemic on vital signs in hospitalized patients: a pre-post heat-map study from a large teaching hospital. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 1	2	1
241	Good clinical practice for the use of vasopressor and inotropic drugs in critically ill patients: state-of-the-art and expert consensus. <i>Minerva Anestesiologica</i> , 2021 , 87, 714-732	1.9	1
240	Perioperative liberal versus restrictive fluid strategies and postoperative outcomes: a systematic review and metanalysis on randomised-controlled trials in major abdominal elective surgery. <i>Critical Care</i> , 2021 , 25, 205	10.8	2
239	Short-term health-related quality of life, physical function and psychological consequences of severe COVID-19. <i>Annals of Intensive Care</i> , 2021 , 11, 91	8.9	14
238	Noninvasive Ventilatory Support of Patients with COVID-19 outside the Intensive Care Units (WARD-COVID). <i>Annals of the American Thoracic Society</i> , 2021 , 18, 1020-1026	4.7	48
237	Provision of critical care for the elderly in Europe: a retrospective comparison of national healthcare frameworks in intensive care units. <i>BMJ Open</i> , 2021 , 11, e046909	3	2
236	Steroid use in elderly critically ill COVID-19 patients. <i>European Respiratory Journal</i> , 2021 , 58,	13.6	6
235	Early Effects of Passive Leg-Raising Test, Fluid Challenge, and Norepinephrine on Cerebral Autoregulation and Oxygenation in COVID-19 Critically Ill Patients. <i>Frontiers in Neurology</i> , 2021 , 12, 674466	4.1	6
234	Noninvasive respiratory support outside the intensive care unit for acute respiratory failure related to coronavirus-19 disease: a systematic review and meta-analysis. <i>Critical Care</i> , 2021 , 25, 268	10.8	15

233	Relationship between the Clinical Frailty Scale and short-term mortality in patients 80 years old acutely admitted to the ICU: a prospective cohort study. <i>Critical Care</i> , 2021 , 25, 231	10.8	4
232	Metrology part 1: definition of quality criteria. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 35, 17-25	2	10
231	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	2	6
230	Rationale and evidence on the use of tocilizumab in COVID-19: a systematic review. <i>Pulmonology</i> , 2021 , 27, 52-66	3.7	69
229	The role of anti-hypertensive treatment, comorbidities and early introduction of LMWH in the setting of COVID-19: A retrospective, observational study in Northern Italy. <i>International Journal of Cardiology</i> , 2021 , 324, 249-254	3.2	17
228	Treating critically ill anemic patients with erythropoietin: less is more. <i>Intensive Care Medicine</i> , 2021 , 47, 256-257	14.5	
227	Macrophage expression and prognostic significance of the long pentraxin PTX3 in COVID-19. <i>Nature Immunology</i> , 2021 , 22, 19-24	19.1	47
226	Potential harm caused by physicians Pa-priori beliefs in the clinical effectiveness of hydroxychloroquine and its impact on clinical and economic outcome - A simulation approach. <i>Journal of Critical Care</i> , 2021 , 62, 138-144	4	0
225	Cerebral regional oxygen saturation during cardiopulmonary resuscitation and return of spontaneous circulation: A systematic review and meta-analysis. <i>Resuscitation</i> , 2021 , 159, 19-27	4	9
224	Vasculitis changes in COVID-19 survivors with persistent symptoms: an [F]FDG-PET/CT study. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 1460-1466	8.8	56
223	COVID-19: What we've done well and what we could or should have done better-the 4 Ps. <i>Critical Care</i> , 2021 , 25, 40	10.8	7
222	Surviving Sepsis Campaign Guidelines on the Management of Adults With Coronavirus Disease 2019 (COVID-19) in the ICU: First Update. <i>Critical Care Medicine</i> , 2021 , 49, e219-e234	1.4	119
221	Mini fluid challenge and End-expiratory occlusion test to assess fluid responsiveness in the operating room (MANEUVER study): A multicentre cohort study. <i>European Journal of Anaesthesiology</i> , 2021 , 38, 422-431	2.3	0
220	Current use of inotropes in circulatory shock. <i>Annals of Intensive Care</i> , 2021 , 11, 21	8.9	11
219	Norepinephrine Infusion in the Emergency Department in Septic Shock Patients: A Retrospective 2-Years Safety Report and Outcome Analysis. <i>International Journal of Environmental Research and Public Health</i> , 2021 , 18,	4.6	2
218	Barotrauma in mechanically ventilated patients with Coronavirus disease 2019: a survey of 38 hospitals in Lombardy, Italy. <i>Minerva Anestesiologica</i> , 2021 , 87, 193-198	1.9	10
217	Sharing ICU Patient Data Responsibly Under the Society of Critical Care Medicine/European Society of Intensive Care Medicine Joint Data Science Collaboration: The Amsterdam University Medical Centers Database (AmsterdamUMCdb) Example. <i>Critical Care Medicine</i> , 2021 , 49, e563-e577	1.4	18
216	Reliability of the Clinical Frailty Scale in very elderly ICU patients: a prospective European study. <i>Annals of Intensive Care</i> , 2021 , 11, 22	8.9	20

215	Association between perioperative fluid administration and postoperative outcomes: a 20-year systematic review and a meta-analysis of randomized goal-directed trials in major visceral/noncardiac surgery. <i>Critical Care</i> , 2021 , 25, 43	10.8	15
214	Hospital-Acquired Infections in Critically Ill Patients With COVID-19. <i>Chest</i> , 2021 , 160, 454-465	5.3	64
213	Pharmacodynamic analysis of a fluid challenge with 4ml/kg over 10 or 20min: a multicenter cross-over randomized clinical trial. <i>Journal of Clinical Monitoring and Computing</i> , 2021 , 1	2	0
212	COVID-19-related echocardiographic patterns of cardiovascular dysfunction in critically ill patients: A systematic review of the current literature. <i>Journal of Critical Care</i> , 2021 , 65, 26-35	4	5
211	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> , 2021 ,	4	1
210	Current practice and evolving concepts in septic shock resuscitation.. <i>Intensive Care Medicine</i> , 2021 , 48, 148	14.5	5
209	Value of renal resistive index in covid-19 ARDS patients: an early inflammation alert for the lung-kidney cross-talk?. <i>Recenti Progressi in Medicina</i> , 2021 , 112, 216-218	0.7	
208	Echocardiography during Prone-Position Mechanical Ventilation in Patients with COVID-19: A Proposal for a New Approach. <i>Journal of the American Society of Echocardiography</i> , 2020 , 33, 905-906	5.8	13
207	In Response. <i>Anesthesia and Analgesia</i> , 2020 , 130, e151	3.9	1
206	The trend of C-Reactive protein allows a safe early discharge after surgery for Crohn's disease. <i>Updates in Surgery</i> , 2020 , 72, 985-989	2.9	3
205	High mortality in COVID-19 patients with mild respiratory disease. <i>European Journal of Clinical Investigation</i> , 2020 , 50, e13314	4.6	21
204	Ten things we learned about COVID-19. <i>Intensive Care Medicine</i> , 2020 , 46, 1590-1593	14.5	17
203	Genomewide Association Study of Severe Covid-19 with Respiratory Failure. <i>New England Journal of Medicine</i> , 2020 , 383, 1522-1534	59.2	913
202	ICU management based on big data. <i>Current Opinion in Anaesthesiology</i> , 2020 , 33, 162-169	2.9	1
201	Management of IBD during the COVID-19 outbreak: resetting clinical priorities. <i>Nature Reviews Gastroenterology and Hepatology</i> , 2020 , 17, 253-255	24.2	76
200	Surviving Sepsis Campaign: guidelines on the management of critically ill adults with Coronavirus Disease 2019 (COVID-19). <i>Intensive Care Medicine</i> , 2020 , 46, 854-887	14.5	1011
199	Baseline Characteristics and Outcomes of 1591 Patients Infected With SARS-CoV-2 Admitted to ICUs of the Lombardy Region, Italy. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 323, 1574-1581	27.4	3054
198	Hospital surge capacity in a tertiary emergency referral centre during the COVID-19 outbreak in Italy. <i>Anaesthesia</i> , 2020 , 75, 928-934	6.6	166

197	Critical Care Utilization for the COVID-19 Outbreak in Lombardy, Italy: Early Experience and Forecast During an Emergency Response. <i>JAMA - Journal of the American Medical Association</i> , 2020 , 323, 1545-1546	27.4	1287
196	Yesterday heroes, today plague doctors: the dark side of celebration. <i>Intensive Care Medicine</i> , 2020 , 46, 1790-1791	14.5	7
195	Interleukin-6 receptor blocking with intravenous tocilizumab in COVID-19 severe acute respiratory distress syndrome: A retrospective case-control survival analysis of 128 patients. <i>Journal of Autoimmunity</i> , 2020 , 114, 102511	15.5	53
194	Fluid administration for acute circulatory dysfunction using basic monitoring. <i>Annals of Translational Medicine</i> , 2020 , 8, 788	3.2	3
193	Accelerated surgery versus standard care in hip fracture (HIP ATTACK): an international, randomised, controlled trial. <i>Lancet, The</i> , 2020 , 395, 698-708	40	98
192	Guidelines seek unbiased recommendations. <i>Intensive Care Medicine</i> , 2020 , 46, 1065-1069	14.5	1
191	Imagin[IA Common Language for ICU Data Inquiry and Analysis). <i>Critical Care Medicine</i> , 2020 , 48, 273-275	1.4	1
190	Systematic assessment of fluid responsiveness during early septic shock resuscitation: secondary analysis of the ANDROMEDA-SHOCK trial. <i>Critical Care</i> , 2020 , 24, 23	10.8	22
189	Dynamic Arterial Elastance as a Ventriculo-Arterial Coupling Index: An Experimental Animal Study. <i>Frontiers in Physiology</i> , 2020 , 11, 284	4.6	11
188	Maternal Risk Modeling in Critical Care-Development of a Multivariable Risk Prediction Model for Death and Prolonged Intensive Care. <i>Critical Care Medicine</i> , 2020 , 48, 663-672	1.4	6
187	Sepsis at ICU admission does not decrease 30-day survival in very old patients: a post-hoc analysis of the VIP1 multinational cohort study. <i>Annals of Intensive Care</i> , 2020 , 10, 56	8.9	8
186	Symptoms of burnout in intensive care unit specialists facing the COVID-19 outbreak. <i>Annals of Intensive Care</i> , 2020 , 10, 110	8.9	122
185	Use of critical care resources during the first 2 weeks (February 24-March 8, 2020) of the Covid-19 outbreak in Italy. <i>Annals of Intensive Care</i> , 2020 , 10, 133	8.9	17
184	Management of critically ill patients with COVID-19: suggestions and instructions from the coordination of intensive care units of Lombardy. <i>Minerva Anestesiologica</i> , 2020 , 86, 1234-1245	1.9	19
183	Early Predictors of Clinical Deterioration in a Cohort of 239 Patients Hospitalized for Covid-19 Infection in Lombardy, Italy. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	86
182	Mean Systemic Filling Pressure Is an Old Concept but a New Tool for Fluid Management 2020 , 181-198		
181	COVID-19 Digestive System Involvement and Clinical Outcomes in a Large Academic Hospital in Milan, Italy. <i>Clinical Gastroenterology and Hepatology</i> , 2020 , 18, 2366-2368.e3	6.9	35
180	Surviving Sepsis Campaign: Guidelines on the Management of Critically Ill Adults with Coronavirus Disease 2019 (COVID-19). <i>Critical Care Medicine</i> , 2020 , 48, e440-e469	1.4	566

179	May near infra-red spectroscopy and rapid perfusion pressure recovering be enough to rule out post-operative spinal cord injury? Two compared case-reports. <i>Journal of Clinical Monitoring and Computing</i> , 2020 , 34, 955-959	2	1
178	Transfusion strategies in non-bleeding critically ill adults: a clinical practice guideline from the European Society of Intensive Care Medicine. <i>Intensive Care Medicine</i> , 2020 , 46, 673-696	14.5	34
177	Long-term patient-important outcomes after septic shock: A protocol for 1-year follow-up of the CLASSIC trial. <i>Acta Anaesthesiologica Scandinavica</i> , 2020 , 64, 410-416	1.9	0
176	The contribution of frailty, cognition, activity of daily life and comorbidities on outcome in acutely admitted patients over 80 years in European ICUs: the VIP2 study. <i>Intensive Care Medicine</i> , 2020 , 46, 57-69	14.5	101
175	Assessment of Fluid Responsiveness in Prone Neurosurgical Patients Undergoing Protective Ventilation: Role of Dynamic Indices, Tidal Volume Challenge, and End-Expiratory Occlusion Test. <i>Anesthesia and Analgesia</i> , 2020 , 130, 752-761	3.9	12
174	Dynamic Arterial Elastance During Experimental Endotoxic Septic Shock: A Potential Marker of Cardiovascular Efficiency. <i>Frontiers in Physiology</i> , 2020 , 11, 562824	4.6	0
173	Trans-thoracic Echocardiography in Prone Positioning COVID-19 Patients: a Small Case Series. <i>SN Comprehensive Clinical Medicine</i> , 2020 , 2, 1-6	2.7	2
172	Inhaled nitric oxide in mechanically ventilated patients with COVID-19. <i>Journal of Critical Care</i> , 2020 , 60, 159-160	4	30
171	Risk Factors Associated With Mortality Among Patients With COVID-19 in Intensive Care Units in Lombardy, Italy. <i>JAMA Internal Medicine</i> , 2020 , 180, 1345-1355	11.5	604
170	Transfusion in critical care: Past, present and future. <i>Transfusion Medicine</i> , 2020 , 30, 418-432	1.3	1
169	International variation in the management of severe COVID-19 patients. <i>Critical Care</i> , 2020 , 24, 486	10.8	30
168	A dedicated multidisciplinary safety briefing for the COVID-19 critical care. <i>Intensive and Critical Care Nursing</i> , 2020 , 60, 102882	3.1	2
167	Sex-specific outcome disparities in very old patients admitted to intensive care medicine: a propensity matched analysis. <i>Scientific Reports</i> , 2020 , 10, 18671	4.9	5
166	Pathophysiology of COVID-19-associated acute respiratory distress syndrome: a multicentre prospective observational study. <i>Lancet Respiratory Medicine</i> , 2020 , 8, 1201-1208	35.1	293
165	CORONA-steps for tracheotomy in COVID-19 patients: A staff-safe method for airway management. <i>Oral Oncology</i> , 2020 , 105, 104728	4.4	3
164	Venous and arterial thromboembolic complications in COVID-19 patients admitted to an academic hospital in Milan, Italy. <i>Thrombosis Research</i> , 2020 , 191, 9-14	8.2	1179
163	Determinants of left ventricular ejection fraction and a novel method to improve its assessment of myocardial contractility. <i>Annals of Intensive Care</i> , 2019 , 9, 48	8.9	13
162	Sigh maneuver to enhance assessment of fluid responsiveness during pressure support ventilation. <i>Critical Care</i> , 2019 , 23, 31	10.8	5

161	Huge variation in obtaining ethical permission for a non-interventional observational study in Europe. <i>BMC Medical Ethics</i> , 2019 , 20, 39	2.9	13
160	A comparison of very old patients admitted to intensive care unit after acute versus elective surgery or intervention. <i>Journal of Critical Care</i> , 2019 , 52, 141-148	4	21
159	Effectiveness of a national quality improvement programme to improve survival after emergency abdominal surgery (EPOCH): a stepped-wedge cluster-randomised trial. <i>Lancet, The</i> , 2019 , 393, 2213-2221	40	70
158	Current use of vasopressors in septic shock. <i>Annals of Intensive Care</i> , 2019 , 9, 20	8.9	58
157	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
156	Cumulative Prognostic Score Predicting Mortality in Patients Older Than 80 Years Admitted to the ICU. <i>Journal of the American Geriatrics Society</i> , 2019 , 67, 1263-1267	5.6	15
155	Perioperative Haemodynamics. <i>Lessons From the ICU</i> , 2019 , 107-115	0.1	
154	Determinants of Venous Return. <i>Lessons From the ICU</i> , 2019 , 27-37	0.1	1
153	Effect of a Resuscitation Strategy Targeting Peripheral Perfusion Status vs Serum Lactate Levels on 28-Day Mortality Among Patients With Septic Shock: The ANDROMEDA-SHOCK Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2019 , 321, 654-664	27.4	252
152	Challenges in the management of septic shock: a narrative review. <i>Intensive Care Medicine</i> , 2019 , 45, 420-433	14.5	22
151	Noninvasive Cardiac Output Monitoring in Cardiothoracic Surgery Patients: Available Methods and Future Directions. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019 , 33, 1742-1752	2.1	17
150	Functional hemodynamic tests: a systematic review and a metanalysis on the reliability of the end-expiratory occlusion test and of the mini-fluid challenge in predicting fluid responsiveness. <i>Critical Care</i> , 2019 , 23, 264	10.8	21
149	Conservative vs liberal fluid therapy in septic shock (CLASSIC) trial-Protocol and statistical analysis plan. <i>Acta Anaesthesiologica Scandinavica</i> , 2019 , 63, 1262-1271	1.9	16
148	Assessing left ventricular systolic function with ejection fraction: using a double-edged knife as a hammer. <i>Annals of Intensive Care</i> , 2019 , 9, 111	8.9	2
147	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
146	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
145	Rebuttal to: "As simple as possible, but not simpler: estimating the effective arterial elastance at bedside". <i>Journal of Clinical Monitoring and Computing</i> , 2019 , 33, 937-940	2	1
144	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

143	Tidal volume challenge to predict fluid responsiveness in the operating room: An observational study. <i>European Journal of Anaesthesiology</i> , 2019 , 36, 583-591	2.3	24
142	Noninvasive continuous arterial pressure monitoring with ClearSight during awake carotid endarterectomy: A prospective observational study. <i>European Journal of Anaesthesiology</i> , 2019 , 36, 144-152	2.3	9
141	What should I use next if clinical evaluation and echocardiographic haemodynamic assessment is not enough?. <i>Current Opinion in Critical Care</i> , 2019 , 25, 259-265	3.5	4
140	The REDS score: a new scoring system to risk-stratify emergency department suspected sepsis: a derivation and validation study. <i>BMJ Open</i> , 2019 , 9, e030922	3	8
139	Reliability of effective arterial elastance using peripheral arterial pressure as surrogate for left ventricular end-systolic pressure. <i>Journal of Clinical Monitoring and Computing</i> , 2019 , 33, 803-813	2	18
138	Fluid administration for acute circulatory dysfunction using basic monitoring: narrative review and expert panel recommendations from an ESICM task force. <i>Intensive Care Medicine</i> , 2019 , 45, 21-32	14.5	44
137	Fluid therapy in neurointensive care patients: ESICM consensus and clinical practice recommendations. <i>Intensive Care Medicine</i> , 2018 , 44, 449-463	14.5	70
136	Expert statement for the management of hypovolemia in sepsis. <i>Intensive Care Medicine</i> , 2018 , 44, 791-795	14.5	26
135	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	14.5	183
134	Effects of Fluids on the Macro- and Microcirculations. <i>Critical Care</i> , 2018 , 22, 74	10.8	16
133	Alternatives to the Swan-Ganz catheter. <i>Intensive Care Medicine</i> , 2018 , 44, 730-741	14.5	47
132	Noradrenaline modifies arterial reflection phenomena and left ventricular efficiency in septic shock patients: A prospective observational study. <i>Journal of Critical Care</i> , 2018 , 47, 280-286	4	6
131	Acute respiratory distress syndrome subphenotypes and differential response to simvastatin: secondary analysis of a randomised controlled trial. <i>Lancet Respiratory Medicine</i> , 2018 , 6, 691-698	35.1	256
130	Early goal-directed therapy using a physiological holistic view: the ANDROMEDA-SHOCK-a randomized controlled trial. <i>Annals of Intensive Care</i> , 2018 , 8, 52	8.9	35
129	The practice of intensive care in Latin America: a survey of academic intensivists. <i>Critical Care</i> , 2018 , 22, 39	10.8	5
128	Sepsis and septic shock. <i>Lancet, The</i> , 2018 , 392, 75-87	40	570
127	Predictive values of pulse pressure variation and stroke volume variation for fluid responsiveness in patients with pneumoperitoneum. <i>Journal of Clinical Monitoring and Computing</i> , 2018 , 32, 825-832	2	7
126	Fluid Challenge During Anesthesia: A Systematic Review and Meta-analysis. <i>Anesthesia and Analgesia</i> , 2018 , 127, 1353-1364	3.9	27

125	Performance comparison of ventricular and arterial dP/dt for assessing left ventricular systolic function during different experimental loading and contractile conditions. <i>Critical Care</i> , 2018 , 22, 325	10.8	34
124	Evaluation of cardiac function using heart-lung interactions. <i>Annals of Translational Medicine</i> , 2018 , 6, 356	3.2	3
123	Conflicts of interest disclosure forms and management in critical care clinical practice guidelines. <i>Intensive Care Medicine</i> , 2018 , 44, 1691-1698	14.5	11
122	An analysis of emergency tracheal intubations in critically ill patients by critical care trainees. <i>Journal of the Intensive Care Society</i> , 2018 , 19, 180-187	1.6	6
121	Withholding or withdrawing of life-sustaining therapy in older adults (≥80 years) admitted to the intensive care unit. <i>Intensive Care Medicine</i> , 2018 , 44, 1027-1038	14.5	62
120	Impact of advanced monitoring variables on intraoperative clinical decision-making: an international survey. <i>Journal of Clinical Monitoring and Computing</i> , 2017 , 31, 205-212	2	2
119	Haemodynamic monitoring in the peri-operative period: the past, the present and the future. <i>Anaesthesia</i> , 2017 , 72 Suppl 1, 7-15	6.6	12
118	Predicting vasopressor needs using dynamic parameters. <i>Intensive Care Medicine</i> , 2017 , 43, 1841-1843	14.5	9
117	The dynamic arterial elastance: a call for a cautious interpretation : Discussion on "Predicting vasopressor needs using dynamic parameters". <i>Intensive Care Medicine</i> , 2017 , 43, 1438-1439	14.5	5
116	Organizational Issues, Structure, and Processes of Care in 257 ICUs in Latin America: A Study From the Latin America Intensive Care Network. <i>Critical Care Medicine</i> , 2017 , 45, 1325-1336	1.4	20
115	Effects of arterial load variations on dynamic arterial elastance: an experimental study. <i>British Journal of Anaesthesia</i> , 2017 , 118, 938-946	5.4	19
114	Hemodynamic Effect of Different Doses of Fluids for a Fluid Challenge: A Quasi-Randomized Controlled Study. <i>Critical Care Medicine</i> , 2017 , 45, e161-e168	1.4	55
113	A randomised controlled trial comparing transnasal humidified rapid insufflation ventilatory exchange (THRIVE) pre-oxygenation with facemask pre-oxygenation in patients undergoing rapid sequence induction of anaesthesia. <i>Anaesthesia</i> , 2017 , 72, 439-443	6.6	185
112	Tissue Doppler assessment of diastolic function and relationship with mortality in critically ill septic patients: a systematic review and meta-analysis. <i>British Journal of Anaesthesia</i> , 2017 , 119, 583-594	5.4	65
111	What is the impact of the fluid challenge technique on diagnosis of fluid responsiveness? A systematic review and meta-analysis. <i>Critical Care</i> , 2017 , 21, 207	10.8	53
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109	The impact of frailty on ICU and 30-day mortality and the level of care in very elderly patients (≥80 years). <i>Intensive Care Medicine</i> , 2017 , 43, 1820-1828	14.5	184
108	THRIVE, rapid sequence induction and oxygenation. A reply. <i>Anaesthesia</i> , 2017 , 72, 1033-1035	6.6	2

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105	Perioperative fluid management: From physiology to improving clinical outcomes. <i>Indian Journal of Anaesthesia</i> , 2017 , 61, 614-621	1.5	21
104	Acute heart failure and cardiogenic shock: a multidisciplinary practical guidance. <i>Intensive Care Medicine</i> , 2016 , 42, 147-63	14.5	113
103	Transient stop-flow arm arterial-venous equilibrium pressure measurement: determination of precision of the technique. <i>Journal of Clinical Monitoring and Computing</i> , 2016 , 30, 55-61	2	16
102	Mean Systemic Filling Pressure Is an Old Concept but a New Tool for Fluid Management 2016 , 171-188		
101	Haemodynamic coherence in perioperative setting. <i>Baillierels Best Practice and Research in Clinical Anaesthesiology</i> , 2016 , 30, 445-452	4	2
100	Goal-directed therapy to maintain haemostasis. <i>Baillierels Best Practice and Research in Clinical Anaesthesiology</i> , 2016 , 30, 217-28	4	3
99	Understanding arterial load. <i>Intensive Care Medicine</i> , 2016 , 42, 1625-1627	14.5	30
98	Understanding the venous-arterial CO to arterial-venous O content difference ratio. <i>Intensive Care Medicine</i> , 2016 , 42, 1801-1804	14.5	30
97	Preoperative abnormalities in serum sodium concentrations are associated with higher in-hospital mortality in patients undergoing major surgery. <i>British Journal of Anaesthesia</i> , 2016 , 116, 63-9	5.4	26
96	Understanding platelet dysfunction in sepsis. <i>Intensive Care Medicine</i> , 2016 , 42, 583-586	14.5	11
95	Cardiac output method comparison studies: the relation of the precision of agreement and the precision of method. <i>Journal of Clinical Monitoring and Computing</i> , 2016 , 30, 149-55	2	53
94	Pharmacodynamic Analysis of a Fluid Challenge. <i>Critical Care Medicine</i> , 2016 , 44, 880-91	1.4	65
93	Less invasive hemodynamic monitoring in critically ill patients. <i>Intensive Care Medicine</i> , 2016 , 42, 1350-9	14.5	149
92	Effect of Early Vasopressin vs Norepinephrine on Kidney Failure in Patients With Septic Shock: The VANISH Randomized Clinical Trial. <i>JAMA - Journal of the American Medical Association</i> , 2016 , 316, 509-18	27.4	302
91	Initial clinical experience with a miniaturized transesophageal echocardiography probe in a cardiac intensive care unit. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2015 , 29, 582-7	2.1	16
90	Patient-ventilator asynchrony affects pulse pressure variation prediction of fluid responsiveness. <i>Journal of Critical Care</i> , 2015 , 30, 1067-71	4	11

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88	Cerebral oximetry and return of spontaneous circulation after cardiac arrest: A systematic review and meta-analysis. <i>Resuscitation</i> , 2015 , 94, 67-72	4	40
87	Fluid challenges in intensive care: the FENICE study: A global inception cohort study. <i>Intensive Care Medicine</i> , 2015 , 41, 1529-37	14.5	295
86	Effects of fluid administration on arterial load in septic shock patients. <i>Intensive Care Medicine</i> , 2015 , 41, 1247-55	14.5	65
85	Individualised targeted haemodynamic therapy in high-risk surgical patients - authorsPreply. <i>Lancet Respiratory Medicine</i> , 2015 , 3, e14-5	35.1	
84	Year in review in Intensive Care Medicine 2014: III. Severe infections, septic shock, healthcare-associated infections, highly resistant bacteria, invasive fungal infections, severe viral infections, Ebola virus disease and paediatrics. <i>Intensive Care Medicine</i> , 2015 , 41, 575-88	14.5	19
83	Cooling techniques for targeted temperature management post-cardiac arrest. <i>Critical Care</i> , 2015 , 19, 103	10.8	37
82	Influence of Thrombolysis and Mechanical Ventilation on Echocardiographic Predictors of Survival after Acute Pulmonary Embolism. <i>Journal of the American Society of Echocardiography</i> , 2015 , 28, 846	5.8	1
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80	The use of pulse pressure variation and stroke volume variation in spontaneously breathing patients to assess dynamic arterial elastance and to predict arterial pressure response to fluid administration. <i>Anesthesia and Analgesia</i> , 2015 , 120, 76-84	3.9	54
79	Diastolic dysfunction and mortality in septic patients: a systematic review and meta-analysis. <i>Intensive Care Medicine</i> , 2015 , 41, 1004-13	14.5	127
78	A web-based Italian survey of current trends, habits and beliefs in hemodynamic monitoring and management. <i>Journal of Clinical Monitoring and Computing</i> , 2015 , 29, 635-42	2	10
77	Can (and should) the venous tone be monitored at the bedside?. <i>Current Opinion in Critical Care</i> , 2015 , 21, 240-4	3.5	9
76	Internal emergency department validation of the simplified MISSED score. <i>European Journal of Emergency Medicine</i> , 2015 , 22, 321-6	2.3	6
75	Fluid bolus therapy: monitoring and predicting fluid responsiveness. <i>Current Opinion in Critical Care</i> , 2015 , 21, 388-94	3.5	37
74	In Response. <i>Anesthesia and Analgesia</i> , 2015 , 121, 1400-2	3.9	2
73	Metrology in medicine: from measurements to decision, with specific reference to anesthesia and intensive care. <i>Anesthesia and Analgesia</i> , 2015 , 120, 66-75	3.9	28
72	Individualised oxygen delivery targeted haemodynamic therapy in high-risk surgical patients: a multicentre, randomised, double-blind, controlled, mechanistic trial. <i>Lancet Respiratory Medicine</i> , 2015 , 3, 33-41	35.1	79

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70	Noninvasive continuous cardiac output monitoring in perioperative and intensive care medicine. <i>British Journal of Anaesthesia</i> , 2015 , 114, 562-75	5.4	183
69	From cardiac output to blood flow auto-regulation in shock. <i>Anaesthesiology Intensive Therapy</i> , 2015 , 47 Spec No, s56-62	1.7	7
68	Year in review in Intensive Care Medicine 2013: II. Sedation, invasive and noninvasive ventilation, airways, ARDS, ECMO, family satisfaction, end-of-life care, organ donation, informed consent, safety, hematological issues in critically ill patients. <i>Intensive Care Medicine</i> , 2014 , 40, 305-19	14.5	15
67	Year in review in Intensive Care Medicine 2013: III. Sepsis, infections, respiratory diseases, pediatrics. <i>Intensive Care Medicine</i> , 2014 , 40, 471-83	14.5	6
66	Year in review in Intensive Care Medicine 2013: I. Acute kidney injury, ultrasound, hemodynamics, cardiac arrest, transfusion, neurocritical care, and nutrition. <i>Intensive Care Medicine</i> , 2014 , 40, 147-59	14.5	22
65	Cardiac complications associated with goal-directed therapy in high-risk surgical patients: a meta-analysis. <i>British Journal of Anaesthesia</i> , 2014 , 112, 648-59	5.4	98
64	Pharmacological management of fluid overload. <i>British Journal of Anaesthesia</i> , 2014 , 113, 756-63	5.4	44
63	Understanding cardiac failure in sepsis. <i>Intensive Care Medicine</i> , 2014 , 40, 1560-3	14.5	42
62	Central venous pressure cannot predict fluid-responsiveness. <i>Evidence-Based Medicine</i> , 2014 , 19, 63		15
61	Hospital mortality of adults admitted to Intensive Care Units in hospitals with and without Intermediate Care Units: a multicentre European cohort study. <i>Critical Care</i> , 2014 , 18, 551	10.8	106
60	Hemodynamic optimization in severe trauma: a systematic review and meta-analysis. <i>Revista Brasileira De Terapia Intensiva</i> , 2014 , 26, 397-406	1.2	3
59	Perioperative Haemodynamic Optimisation. <i>Turkish Journal of Anaesthesiology and Reanimation</i> , 2014 , 42, 56-65	0.7	2
58	A cost-effectiveness analysis of postoperative goal-directed therapy for high-risk surgical patients. <i>Critical Care Medicine</i> , 2014 , 42, 1194-203	1.4	37
57	Consensus on circulatory shock and hemodynamic monitoring. Task force of the European Society of Intensive Care Medicine. <i>Intensive Care Medicine</i> , 2014 , 40, 1795-815	14.5	852
56	Cost-effectiveness in goal-directed therapy: are the dollars spent worth the value?. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2014 , 28, 1660-6	2.1	3
55	Dynamic arterial elastance as a predictor of arterial pressure response to fluid administration: a validation study. <i>Critical Care</i> , 2014 , 18, 626	10.8	49
54	Thermodilution vs pressure recording analytical method in hemodynamic stabilized patients. <i>Journal of Critical Care</i> , 2014 , 29, 260-4	4	16

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52	Pulmonary embolism with haemorrhagic pericardial effusion and tamponade: a clinical dilemma. <i>BMJ Case Reports</i> , 2014 , 2014,	0.9	4
51	Changes in the mean systemic filling pressure during a fluid challenge in postsurgical intensive care patients. <i>Intensive Care Medicine</i> , 2013 , 39, 1299-305	14.5	72
50	Year in review in Intensive Care Medicine 2012: III. Noninvasive ventilation, monitoring and patient-ventilator interactions, acute respiratory distress syndrome, sedation, paediatrics and miscellanea. <i>Intensive Care Medicine</i> , 2013 , 39, 543-57	14.5	13
49	Goal-directed therapy in cardiac surgery: a systematic review and meta-analysis. <i>British Journal of Anaesthesia</i> , 2013 , 110, 510-7	5.4	154
48	Impact of arterial load on the agreement between pulse pressure analysis and esophageal Doppler. <i>Critical Care</i> , 2013 , 17, R113	10.8	35
47	Less invasive methods of advanced hemodynamic monitoring: principles, devices, and their role in the perioperative hemodynamic optimization. <i>Perioperative Medicine (London, England)</i> , 2013 , 2, 19	2.8	32
46	Clinical review: Goal-directed therapy-what is the evidence in surgical patients? The effect on different risk groups. <i>Critical Care</i> , 2013 , 17, 209	10.8	216
45	Year in review in Intensive Care Medicine 2012. II: Pneumonia and infection, sepsis, coagulation, hemodynamics, cardiovascular and microcirculation, critical care organization, imaging, ethics and legal issues. <i>Intensive Care Medicine</i> , 2013 , 39, 345-64	14.5	8
44	Year in review in Intensive Care Medicine 2012: I. Neurology and neurointensive care, epidemiology and nephrology, biomarkers and inflammation, nutrition, experimentals. <i>Intensive Care Medicine</i> , 2013 , 39, 232-46	14.5	9
43	A published pharmacogenetic algorithm was poorly predictive of tacrolimus clearance in an independent cohort of renal transplant recipients. <i>British Journal of Clinical Pharmacology</i> , 2013 , 76, 425-31	3.8	23
42	Mortality after surgery in Europe: a 7 day cohort study. <i>Lancet, The</i> , 2012 , 380, 1059-65	4.0	1278
41	Cell-free DNA and outcome in sepsis. <i>Critical Care</i> , 2012 , 16, 170	10.8	23
40	Severity assessment tools in ICU patients with 2009 influenza A (H1N1) pneumonia. <i>Clinical Microbiology and Infection</i> , 2012 , 18, 1040-8	9.5	25
39	Why Guidelines Require Reform 2012 , 23-31		
38	Raised serum cardiac troponin I concentrations predict hospital mortality in intensive care unit patients. <i>British Journal of Anaesthesia</i> , 2012 , 109, 219-24	5.4	32
37	Less-invasive approaches to perioperative haemodynamic optimization. <i>Current Opinion in Critical Care</i> , 2012 , 18, 377-84	3.5	11
36	Cardiopulmonary assessment of patients with end-stage kidney disease. <i>Nephrology Dialysis Transplantation</i> , 2012 , 27, 3000	4.3	1

35	Rituximab associated pneumonitis in antineutrophil cytoplasmic antibody-associated vasculitis. <i>Journal of Clinical Rheumatology</i> , 2012 , 18, 39-41	1.1	6
34	Tracking changes in cardiac output: methodological considerations for the validation of monitoring devices 2012 , 209-216		
33	Goal-directed therapy in high-risk surgical patients: a 15-year follow-up study 2012 , 417-422		
32	Should we use early less invasive hemodynamic monitoring in unstable ICU patients?. <i>Critical Care</i> , 2011 , 15, 173	10.8	5
31	Cardiac output monitoring: an integrative perspective. <i>Critical Care</i> , 2011 , 15, 214	10.8	136
30	A systematic review and meta-analysis on the use of preemptive hemodynamic intervention to improve postoperative outcomes in moderate and high-risk surgical patients. <i>Anesthesia and Analgesia</i> , 2011 , 112, 1392-402	3.9	1147
29	What is a fluid challenge?. <i>Current Opinion in Critical Care</i> , 2011 , 17, 290-5	3.5	125
28	Goal-directed haemodynamic therapy during elective total hip arthroplasty under regional anaesthesia. <i>Critical Care</i> , 2011 , 15, R132	10.8	115
27	Hemodynamic monitoring today. <i>Anesthesiology Research and Practice</i> , 2011 , 2011, 535912	1.1	1
26	Is Invasive Hemodynamic Monitoring Useful in Sepsis? 2010 , 178-181		
25	Urine output on an intensive care unit: case-control study. <i>BMJ, The</i> , 2010 , 341, c6761	5.9	23
24	Assessing agreement in cardiac output monitoring validation studies. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2010 , 24, 741; author reply 741-2	2.1	3
23	Anesthesia for the High-Risk Patient. <i>Critical Care</i> , 2010 , 14, 312	10.8	78
22	Pulse pressure analysis: to make a long story short. <i>Critical Care</i> , 2010 , 14, 175	10.8	7
21	Goal-directed therapy in high-risk surgical patients: a 15-year follow-up study. <i>Intensive Care Medicine</i> , 2010 , 36, 1327-32	14.5	129
20	Minimally invasive monitoring of cardiac output in the cardiac surgery intensive care unit. <i>Current Heart Failure Reports</i> , 2010 , 7, 116-24	2.8	14
19	Management of the circulation on ICU. <i>Surgery</i> , 2009 , 27, 486-491	0.3	1
18	Lithium dilution cardiac output measurement in the critically ill patient: determination of precision of the technique. <i>Intensive Care Medicine</i> , 2009 , 35, 498-504	14.5	655

17	Tracking changes in cardiac output: methodological considerations for the validation of monitoring devices. <i>Intensive Care Medicine</i> , 2009 , 35, 1801-8	14.5	94
16	Bench-to-bedside review: the importance of the precision of the reference technique in method comparison studies--with specific reference to the measurement of cardiac output. <i>Critical Care</i> , 2009 , 13, 201	10.8	232
15	Validation of continuous cardiac output technologies: consensus still awaited. <i>Critical Care</i> , 2009 , 13, 159	10.8	16
14	Minimally invasive haemodynamic monitoring. <i>European Journal of Anaesthesiology</i> , 2009 , 26, 996-1002	2.3	37
13	Evaluation of new laryngoscope blade for tracheal intubation, Truview EVO2: a manikin study. <i>European Journal of Anaesthesiology</i> , 2008 , 25, 446-9	2.3	11
12	Continuous and intermittent cardiac output measurement in hyperdynamic conditions: pulmonary artery catheter vs. lithium dilution technique. <i>Intensive Care Medicine</i> , 2008 , 34, 257-63	14.5	81
11	A Prospective Study to Evaluate the Accuracy of Pulse Power Analysis to Monitor Cardiac Output in Critically Ill Patients. <i>BMC Anesthesiology</i> , 2008 , 8, 3	2.4	33
10	Haemodynamic monitoring in acute heart failure. <i>Heart Failure Reviews</i> , 2007 , 12, 105-11	5	7
9	What role does the right side of the heart play in circulation?. <i>Critical Care</i> , 2006 , 10 Suppl 3, S5	10.8	16
8	Tracheal intubation using a classic laryngeal mask airway, Frova introducer, and pediatric bronchoscope. <i>Anesthesia and Analgesia</i> , 2006 , 103, 1622	3.9	
7	Invasive hemodynamic monitoring100-109		
6	What is a fluid challenge and how to perform it?213-223		
5	The clinical frailty scale Does it predict outcome of the very-old in UK ICUs?. <i>Journal of the Intensive Care Society</i> , 175114372110507	1.6	
4	The cardiac arrest centre for the treatment of sudden cardiac arrest due to presumed cardiac cause: aims, function, and structure: position paper of the ACVC association of the ESC, EAPCI, EHRA, ERC, EUSEM, and ESICM. <i>European Heart Journal: Acute Cardiovascular Care</i> ,	4.3	3
3	Impact of anti-androgen therapies on COVID-19 susceptibility: a case-control study in male population from two COVID-19 regional centers of Lombardy (Italy)		5
2	Macrophage expression and prognostic significance of the long pentraxin PTX3 in COVID-19		4
1	Restriction of Intravenous Fluid in ICU Patients with Septic Shock. <i>New England Journal of Medicine</i> ,	59.2	6