

Abele Donati

List of Publications by Year in descending order

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Version: 2024-02-01

75
papers

4,421
citations

172386

29
h-index

106281

65
g-index

75
all docs

75
docs citations

75
times ranked

4849
citing authors

#	ARTICLE	IF	CITATIONS
1	Early Use of Polymyxin B Hemoperfusion in Abdominal Septic Shock. JAMA - Journal of the American Medical Association, 2009, 301, 2445.	3.8	682
2	Effect of Conservative vs Conventional Oxygen Therapy on Mortality Among Patients in an Intensive Care Unit. JAMA - Journal of the American Medical Association, 2016, 316, 1583.	3.8	523
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. Intensive Care Medicine, 2018, 44, 281-299.	3.9	305
4	Goal-Directed Intraoperative Therapy Reduces Morbidity and Length of Hospital Stay in High-Risk Surgical Patients. Chest, 2007, 132, 1817-1824.	0.4	289
5	Alteration of the sublingual microvascular glycocalyx in critically ill patients. Microvascular Research, 2013, 90, 86-89.	1.1	264
6	Arterial hyperoxia and mortality in critically ill patients: a systematic review and meta-analysis. Critical Care, 2014, 18, 711.	2.5	244
7	Effect of Performance Improvement Programs on Compliance with Sepsis Bundles and Mortality: A Systematic Review and Meta-Analysis of Observational Studies. PLoS ONE, 2015, 10, e0125827.	1.1	188
8	Levosimendan for resuscitating the microcirculation in patients with septic shock: a randomized controlled study. Critical Care, 2010, 14, R232.	2.5	132
9	International Study on Microcirculatory Shock Occurrence in Acutely Ill Patients*. Critical Care Medicine, 2015, 43, 48-56.	0.4	122
10	Does methylene blue administration to septic shock patients affect vascular permeability and blood volume?. Critical Care Medicine, 2002, 30, 2271-2277.	0.4	106
11	Microvascular Effects of Heart Rate Control With Esmolol in Patients With Septic Shock. Critical Care Medicine, 2013, 41, 2162-2168.	0.4	98
12	Oxygen in the critically ill. Current Opinion in Anaesthesiology, 2018, 31, 129-135.	0.9	93
13	Prolonged prone position ventilation for SARS-CoV-2 patients is feasible and effective. Critical Care, 2020, 24, 225.	2.5	87
14	Microcirculatory effects of the transfusion of leukodepleted or non-leukodepleted red blood cells in patients with sepsis: a pilot study. Critical Care, 2014, 18, R33.	2.5	68
15	Changes in Cytokines, Haemodynamics and Microcirculation in Patients with Sepsis/Septic Shock Undergoing Continuous Renal Replacement Therapy and Blood Purification with CytoSorb. Blood Purification, 2020, 49, 107-113.	0.9	62
16	From Macrohemodynamic to the Microcirculation. Critical Care Research and Practice, 2013, 2013, 1-8.	0.4	61
17	Plasma Free Hemoglobin and Microcirculatory Response to Fresh or Old Blood Transfusions in Sepsis. PLoS ONE, 2015, 10, e0122655.	1.1	54
18	Intravenous immunoglobulin in septic shock: review of the mechanisms of action and meta-analysis of the clinical effectiveness. Minerva Anestesiologica, 2016, 82, 559-72.	0.6	47

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19	MicroDAIMON study: Microcirculatory DAILY MONitoring in critically ill patients: a prospective observational study. <i>Annals of Intensive Care</i> , 2018, 8, 64.	2.2	45
20	Antiangiogenic and antitumor activities of berberine derivative NAX014 compound in a transgenic murine model of HER2/neu-positive mammary carcinoma. <i>Carcinogenesis</i> , 2015, 36, 1169-1179.	1.3	44
21	Changes in the sublingual microcirculation following aortic surgery under balanced or total intravenous anaesthesia: a prospective observational study. <i>BMC Anesthesiology</i> , 2019, 19, 1.	0.7	43
22	Effects of vasopressinergic receptor agonists on sublingual microcirculation in norepinephrine-dependent septic shock. <i>Critical Care</i> , 2011, 15, R217.	2.5	41
23	The aPC treatment improves microcirculation in severe sepsis/septic shock syndrome. <i>BMC Anesthesiology</i> , 2013, 13, 25.	0.7	41
24	Comparison Between Doppler-Echocardiography and Uncalibrated Pulse Contour Method for Cardiac Output Measurement: A Multicenter Observational Study*. <i>Critical Care Medicine</i> , 2016, 44, 1370-1379.	0.4	41
25	Microvascular alterations in patients with SARS-COV-2 severe pneumonia. <i>Annals of Intensive Care</i> , 2020, 10, 60.	2.2	39
26	Airway Ultrasound as Predictor of Difficult Direct Laryngoscopy: A Systematic Review and Meta-analysis. <i>Anesthesia and Analgesia</i> , 2022, 134, 740-750.	1.1	38
27	Acute Kidney Injury and Fluid Resuscitation in Septic Patients: Are We Protecting the Kidney?. <i>Nephron</i> , 2019, 143, 170-173.	0.9	37
28	The Impact of a Clinical Information System in an Intensive Care Unit. <i>Journal of Clinical Monitoring and Computing</i> , 2008, 22, 31-36.	0.7	36
29	Automated Algorithm Analysis of Sublingual Microcirculation in an International Multicenter Database Identifies Alterations Associated With Disease and Mechanism of Resuscitation. <i>Critical Care Medicine</i> , 2020, 48, e864-e875.	0.4	35
30	Near-infrared spectroscopy for assessing tissue oxygenation and microvascular reactivity in critically ill patients: a prospective observational study. <i>Critical Care</i> , 2016, 20, 311.	2.5	30
31	Relationship between norepinephrine dose, tachycardia and outcome in septic shock: A multicentre evaluation. <i>Journal of Critical Care</i> , 2020, 57, 185-190.	1.0	30
32	Mildly elevated lactate levels are associated with microcirculatory flow abnormalities and increased mortality: a microSOAP post hoc analysis. <i>Critical Care</i> , 2017, 21, 255.	2.5	29
33	Recombinant activated protein C treatment improves tissue perfusion and oxygenation in septic patients measured by near-infrared spectroscopy. <i>Critical Care</i> , 2009, 13, S12.	2.5	28
34	Short-term effects of terlipressin bolus infusion on sublingual microcirculatory blood flow during septic shock. <i>Intensive Care Medicine</i> , 2011, 37, 963-969.	3.9	28
35	Ability and efficiency of an automatic analysis software to measure microvascular parameters. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 669-676.	0.7	28
36	Effects of short-term hyperoxia on erythropoietin levels and microcirculation in critically ill patients: a prospective observational pilot study. <i>BMC Anesthesiology</i> , 2017, 17, 49.	0.7	27

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37	Towards integrative physiological monitoring of the critically ill: from cardiovascular to microcirculatory and cellular function monitoring at the bedside. <i>Critical Care</i> , 2013, 17, S5.	2.5	26
38	A Comparison Among Portal Lactate, Intramucosal Sigmoid pH, and $\hat{P}CO_2$ (Paco2 \hat{P} Regional Pco2) as Indices of Complications in Patients Undergoing Abdominal Aortic Aneurysm Surgery. <i>Anesthesia and Analgesia</i> , 2004, 99, 1024-1031.	1.1	22
39	Association between sublingual microcirculation, tissue perfusion and organ failure in major trauma: A subgroup analysis of a prospective observational study. <i>PLoS ONE</i> , 2019, 14, e0213085.	1.1	22
40	Desflurane Versus Sevoflurane to Reduce Blood Loss in Maxillofacial Surgery. <i>Journal of Oral and Maxillofacial Surgery</i> , 2010, 68, 1007-1012.	0.5	20
41	Impact of microcirculatory video quality on the evaluation of sublingual microcirculation in critically ill patients. <i>Journal of Clinical Monitoring and Computing</i> , 2017, 31, 981-988.	0.7	20
42	IgM-enriched immunoglobulins (Pentaglobin) may improve the microcirculation in sepsis: a pilot randomized trial. <i>Annals of Intensive Care</i> , 2019, 9, 135.	2.2	20
43	Thermodilution vs pressure recording analytical method in hemodynamic stabilized patients. <i>Journal of Critical Care</i> , 2014, 29, 260-264.	1.0	18
44	Methylene blue: An old-timer or a compound ready for revival?*. <i>Critical Care Medicine</i> , 2006, 34, 2862-2863.	0.4	17
45	Sublingual microcirculation in patients with SARS-CoV-2 undergoing veno-venous extracorporeal membrane oxygenation. <i>Microvascular Research</i> , 2020, 132, 104064.	1.1	17
46	Effects of the Infusion of 4% or 20% Human Serum Albumin on the Skeletal Muscle Microcirculation in Endotoxemic Rats. <i>PLoS ONE</i> , 2016, 11, e0151005.	1.1	17
47	Multi-centre, three arm, randomized controlled trial on the use of methylprednisolone and unfractionated heparin in critically ill ventilated patients with pneumonia from SARS-CoV-2 infection: A structured summary of a study protocol for a randomised controlled trial. <i>Trials</i> , 2020, 21, 724.	0.7	16
48	A proposal for a comprehensive approach to infections across the surgical pathway. <i>World Journal of Emergency Surgery</i> , 2020, 15, 13.	2.1	15
49	Glycaemic variability, infections and mortality in a medical-surgical intensive care unit. <i>Critical Care and Resuscitation: Journal of the Australasian Academy of Critical Care Medicine</i> , 2014, 16, 13-23.	0.0	13
50	Pain and discomfort management during central venous catheter insertion. <i>Indian Journal of Critical Care Medicine</i> , 2014, 18, 417-418.	0.3	12
51	Procedural sedation for direct current cardioversion: a feasibility study between two management strategies in the emergency department. <i>BMC Cardiovascular Disorders</i> , 2020, 20, 388.	0.7	10
52	Initial distribution volume of glucose as noninvasive indicator of cardiac preload: comparison with intrathoracic blood volume. <i>Intensive Care Medicine</i> , 2004, 30, 2067-2073.	3.9	9
53	Study Design of the Microcirculatory Shock Occurrence in Acutely Ill Patients (microSOAP): an International Multicenter Observational Study of Sublingual Microcirculatory Alterations in Intensive Care Patients. <i>Critical Care Research and Practice</i> , 2012, 2012, 1-7.	0.4	9
54	Endotoxin activity levels as a prediction tool for risk of deterioration in patients with sepsis not admitted to the intensive care unit: A pilot observational study. <i>Journal of Critical Care</i> , 2013, 28, 612-617.	1.0	9

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55	The role of cardiac dysfunction in multiorgan dysfunction. <i>Current Opinion in Anaesthesiology</i> , 2016, 29, 172-177.	0.9	8
56	Fluid responsiveness in critically ill patients. <i>Indian Journal of Critical Care Medicine</i> , 2015, 19, 375-376.	0.3	8
57	Tissue oxygen saturation changes and postoperative complications in cardiac surgery: a prospective observational study. <i>BMC Anesthesiology</i> , 2019, 19, 229.	0.7	7
58	A Rare Case of Central Venous Catheter Malpositioning in Polytraumatic Patient Not Recognized by Chest X-Ray. <i>Journal of Vascular Access</i> , 2013, 14, 97-98.	0.5	6
59	Effect of Whey Proteins on Malnutrition and Extubating Time of Critically Ill COVID-19 Patients. <i>Nutrients</i> , 2022, 14, 437.	1.7	6
60	Effects of Normoxia, Hyperoxia, and Mild Hypoxia on Macro-Hemodynamics and the Skeletal Muscle Microcirculation in Anesthetised Rats. <i>Frontiers in Medicine</i> , 2021, 8, 672257.	1.2	5
61	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.	0.6	5
62	Sidestream dark field videomicroscopy for <i>in vivo</i> evaluation of vascularization and perfusion of mammary tumours in <i>HER2/neu</i> transgenic mice. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2015, 42, 225-229.	0.9	4
63	Exploring alternative routes for oxygen administration. <i>Intensive Care Medicine Experimental</i> , 2016, 4, 34.	0.9	4
64	Rationale for Polyclonal Intravenous Immunoglobulin Adjunctive Therapy in COVID-19 Patients: Report of a Structured Multidisciplinary Consensus. <i>Journal of Clinical Medicine</i> , 2021, 10, 3500.	1.0	4
65	Disorder of osmoregulation as a new pathogenetic mechanism of septic shock?*. <i>Critical Care Medicine</i> , 2010, 38, 2068-2069.	0.4	2
66	Mid-Regional Proadrenomedullin (MR-proADM) and Microcirculation in Monitoring Organ Dysfunction of Critical Care Patients With Infection: A Prospective Observational Pilot Study. <i>Frontiers in Medicine</i> , 2021, 8, 680244.	1.2	2
67	Methylene blue as the future protecting agent for ischemic brain injury?*. <i>Critical Care Medicine</i> , 2010, 38, 2265-2266.	0.4	1
68	Estimated oxygen extraction versus dynamic parameters of fluid-responsiveness for perioperative hemodynamic optimization of patients undergoing non-cardiac surgery: a non-inferiority randomized controlled trial. <i>BMC Anesthesiology</i> , 2020, 20, 87.	0.7	1
69	Comment on "Respiratory mechanics and gas exchanges in the early course of COVID-19 ARDS: a hypothesis-generating study". <i>Annals of Intensive Care</i> , 2020, 10, 147.	2.2	1
70	About Global Volume-Related Hemodynamic Variables and Outcome. <i>Critical Care Medicine</i> , 2006, 34, 1585.	0.4	0
71	Using Intraoperative Goal-Directed Hemodynamic Management Shows Dobutamine To Be Effective in Maintaining Central Venous Oxygen Saturation: Response. <i>Chest</i> , 2008, 134, 216.	0.4	0
72	Corticosteroids and septic shock: A new episode of a never-ceasing story?*. <i>Critical Care Medicine</i> , 2008, 36, 1658-1659.	0.4	0

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73	Response to the Letter: Comment on “Effects of short-term hyperoxia on systemic hemodynamics, oxygen transport, and microcirculation: An observational study in patients with septic shock and healthy volunteers”, Journal of Critical Care, 2020, 56, 316-317.	1.0	0
74	Variation in the Outcome of Norepinephrine-Dependent Septic Patients After the Institution of a Patient-Tailored Therapy Protocol in an Italian Intensive Care Unit: Retrospective Observational Study. Frontiers in Medicine, 2020, 7, 592282.	1.2	0
75	Evaluation of the Microcirculation in Critically Ill Patients. , 2020, , 373-388.		0