Jacques Creteur

List of Publications by Year
in descending order

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95 papers	2,076 citations	304743 22 h-index	289244 40 g-index
97 all docs	97 docs citations	97 times ranked	2683 citing authors

#	Article	IF	Citations
1	Long-term outcomes after critical illness: recent insights. Critical Care, 2021, 25, 108.	5.8	118
2	Near-infrared spectroscopy technique to evaluate the effects of red blood cell transfusion on tissue oxygenation. Critical Care, 2009, 13, S11.	5.8	116
3	Effect of Trans-Nasal Evaporative Intra-arrest Cooling on Functional Neurologic Outcome in Out-of-Hospital Cardiac Arrest. JAMA - Journal of the American Medical Association, 2019, 321, 1677.	7.4	115
4	Effect of Intravenous Interferon Î²-1a on Death and Days Free From Mechanical Ventilation Among Patients With Moderate to Severe Acute Respiratory Distress Syndrome. JAMA - Journal of the American Medical Association, 2020, 323, 725.	7.4	97
5	The Effect of Renal Replacement Therapy and Antibiotic Dose on Antibiotic Concentrations in Critically Ill Patients: Data From the Multinational Sampling Antibiotics in Renal Replacement Therapy Study. Clinical Infectious Diseases, 2021, 72, 1369-1378.	5.8	85
6	Impaired cerebral autoregulation is associated with brain dysfunction in patients with sepsis. Critical Care, 2018, 22, 327.	5.8	84
7	Extracorporeal membrane oxygenation for refractory cardiac arrest: a retrospective multicenter study. Intensive Care Medicine, 2020, 46, 973-982.	8.2	83
8	Ethical aspects of the COVID-19 crisis: How to deal with an overwhelming shortage of acute beds. European Heart Journal: Acute Cardiovascular Care, 2020, 9, 248-252.	1.0	83
9	Normobaric hyperoxia alters the microcirculation in healthy volunteers. Microvascular Research, 2015, 98, 23-28.	2.5	76
10	Multimodal non-invasive assessment of intracranial hypertension: an observational study. Critical Care, 2020, 24, 379.	5.8	72
11	Comparison of extracorporeal and conventional cardiopulmonary resuscitation: a retrospective propensity score matched study. Critical Care, 2019, 23, 27.	5.8	69
12	Effect of vasopressin on sublingual microcirculation in a patient with distributive shock. Intensive Care Medicine, 2003, 29, 1020-1023.	8.2	67
13	Cerebral Near-Infrared Spectroscopy in Adult Patients Undergoing Veno-Arterial Extracorporeal Membrane Oxygenation. Neurocritical Care, 2018, 29, 94-104.	2.4	59
14	Interleukine-6 in critically ill COVID-19 patients: A retrospective analysis. PLoS ONE, 2020, 15, e0244628.	2.5	50
15	New Regimen for Continuous Infusion of Vancomycin in Critically Ill Patients. Antimicrobial Agents and Chemotherapy, 2016, 60, 4750-4756.	3.2	45
16	Prognostic implications of blood lactate concentrations after cardiac arrest: a retrospective study. Annals of Intensive Care, 2017, 7, 101.	4.6	35
17	Endocan as an early biomarker of severity in patients with acute respiratory distress syndrome. Annals of Intensive Care, 2017, 7, 93.	4.6	33
18	Acute liver dysfunction after cardiac arrest. PLoS ONE, 2018, 13, e0206655.	2.5	33

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19	Feasibility of closed-loop titration of norepinephrine infusion in patients undergoing moderate- and high-risk surgery. British Journal of Anaesthesia, 2019, 123, 430-438.	3.4	33
20	Effect of different methods of cooling for targeted temperature management on outcome after cardiac arrest: a systematic review and meta-analysis. Critical Care, 2019, 23, 285.	5.8	33
21	The impact of diastolic blood pressure values on the neurological outcome of cardiac arrest patients. Resuscitation, 2018, 130, 167-173.	3.0	27
22	Brain tissue oxygenation guided therapy and outcome in non-traumatic subarachnoid hemorrhage. Scientific Reports, 2021, 11, 16235.	3.3	24
23	Treatment limitations in the era of ECMO. Lancet Respiratory Medicine,the, 2017, 5, 769-770.	10.7	23
24	Angiotensin-converting enzymes in acute respiratory distress syndrome. Intensive Care Medicine, 2019, 45, 1159-1160.	8.2	22
25	Microvascular reactivity is altered early in patients with acute respiratory distress syndrome. Respiratory Research, 2016, 17, 59.	3.6	21
26	Electroencephalographic features in patients undergoing extracorporeal membrane oxygenation. Critical Care, 2020, 24, 629.	5.8	20
27	Near infrared spectroscopy (NIRS) to assess the effects of local ischemic preconditioning in the muscle of healthy volunteers and critically ill patients. Microvascular Research, 2015, 102, 25-32.	2.5	19
28	The hospital of tomorrow in 10 points. Critical Care, 2017, 21, 93.	5.8	19
29	Using arterial-venous oxygen difference to guide red blood cell transfusion strategy. Critical Care, 2020, 24, 160.	5.8	19
30	Red Cell Distribution Width After Subarachnoid Hemorrhage. Journal of Neurosurgical Anesthesiology, 2018, 30, 319-327.	1.2	18
31	Glucose and Lactate Concentrations in Cerebrospinal Fluid After Traumatic Brain Injury. Journal of Neurosurgical Anesthesiology, 2020, 32, 162-169.	1.2	18
32	Potential Uses of Hemoglobin-based Oxygen Carriers in Critical Care Medicine. Critical Care Clinics, 2009, 25, 311-324.	2.6	17
33	The potential role of auditory evoked potentials to assess prognosis in comatose survivors from cardiac arrest. Resuscitation, 2017, 120, 119-124.	3.0	17
34	Effect of intra-arrest trans-nasal evaporative cooling in out-of-hospital cardiac arrest: a pooled individual participant data analysis. Critical Care, 2021, 25, 198.	5.8	17
35	Brain Protection after Anoxic Brain Injury: Is Lactate Supplementation Helpful?. Cells, 2021, 10, 1714.	4.1	17
36	Hyperventilation in Adult TBI Patients: How to Approach It?. Frontiers in Neurology, 2020, 11, 580859.	2.4	17

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37	Skin microcirculatory reactivity assessed using a thermal challenge is decreased in patients with circulatory shock and associated with outcome. Annals of Intensive Care, 2018, 8, 60.	4.6	16
38	Cerebral autoregulation and neurovascular coupling are progressively impaired during septic shock: an experimental study. Intensive Care Medicine Experimental, 2020, 8, 44.	1.9	16
39	Lymphopaenia in cardiac arrest patients. Annals of Intensive Care, 2017, 7, 85.	4.6	15
40	Estimated cerebral perfusion pressure among post-cardiac arrest survivors. Intensive Care Medicine, 2018, 44, 966-967.	8.2	14
41	COVID-19: What weâ€™ve done well and what we could or should have done betterâ€”the 4 Ps. Critical Care, 2021, 25, 40.	5.8	14
42	Greater temperature variability is not associated with a worse neurological outcome after cardiac arrest. Resuscitation, 2015, 96, 268-274.	3.0	13
43	Can red blood cell distribution width predict outcome after cardiac arrest?. Minerva Anestesiologica, 2018, 84, 693-702.	1.0	13
44	The Impact of Extracerebral Infection After Subarachnoid Hemorrhage: A Single-Center Cohort Study. World Neurosurgery, 2020, 144, e883-e897.	1.3	13
45	Monitoring skin blood flow to rapidly identify alterations in tissue perfusion during fluid removal using continuous veno-venous hemofiltration in patients with circulatory shock. Annals of Intensive Care, 2021, 11, 59.	4.6	13
46	Time course of outcome in poor grade subarachnoid hemorrhage patients: a longitudinal retrospective study. BMC Neurology, 2021, 21, 196.	1.8	13
47	Serum Î²â€lactam concentrations in critically ill patients with cirrhosis: a matched caseâ€“control study. Liver International, 2016, 36, 1002-1010.	3.9	12
48	Cerebrospinal Fluid Glucose and Lactate Levels After Subarachnoid Hemorrhage: A Multicenter Retrospective Study. Journal of Neurosurgical Anesthesiology, 2020, 32, 170-176.	1.2	12
49	Which Target Temperature for Post-Anoxic Brain Injury? A Systematic Review from â€œReal Lifeâ€•Studies. Brain Sciences, 2021, 11, 186.	2.3	12
50	Comparison of 2 Automated Pupillometry Devices in Critically Ill Patients. Journal of Neurosurgical Anesthesiology, 2020, 32, 323-329.	1.2	10
51	Systematic Review and Meta-Analysis of Effects of Transfusion on Hemodynamic and Oxygenation Variables*. Critical Care Medicine, 2020, 48, 241-248.	0.9	10
52	Correlation Between Electroencephalography and Automated Pupillometry in Critically Ill Patients. Journal of Neurosurgical Anesthesiology, 2019, Publish Ahead of Print, 161-166.	1.2	9
53	Evaluation of Nociception Using Quantitative Pupillometry and Skin Conductance in Critically Ill Unconscious Patients: A Pilot Study. Brain Sciences, 2021, 11, 109.	2.3	9
54	Platelet indices and outcome after cardiac arrest. BMC Emergency Medicine, 2018, 18, 31.	1.9	8

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55	Quantification of Cardiac Kinetic Energy and Its Changes During Transmural Myocardial Infarction Assessed by Multi-Dimensional Seismocardiography. Frontiers in Cardiovascular Medicine, 2021, 8, 603319.	2.4	8
56	Impact of therapeutic hypothermia during cardiopulmonary resuscitation on neurologic outcome: A systematic review and meta-analysis. Resuscitation, 2021, 162, 365-371.	3.0	8
57	Impaired platelet reactivity in patients with septic shock: a proof-of-concept study. Platelets, 2020, 31, 652-660.	2.3	7
58	Association of anemia and transfusions with outcome after subarachnoid hemorrhage. Clinical Neurology and Neurosurgery, 2021, 206, 106676.	1.4	7
59	Appropriate care for the elderly in the ICU. Journal of Internal Medicine, 2022, 291, 458-468.	6.0	7
60	How to Manage Withdrawal of Sedation and Analgesia in Mechanically Ventilated COVID-19 Patients?. Journal of Clinical Medicine, 2021, 10, 4917.	2.4	7
61	Cerebral and systemic hemodynamic effect of recurring seizures. Scientific Reports, 2021, 11, 22209.	3.3	7
62	Cerebral Autoregulation Indices Are Not Interchangeable in Patients With Sepsis. Frontiers in Neurology, 2022, 13, 760293.	2.4	7
63	The Prognostic Role of Lactate Concentrations after Aneurysmal Subarachnoid Hemorrhage. Brain Sciences, 2020, 10, 1004.	2.3	6
64	Role of Non-Invasive Respiratory Supports in COVID-19 Acute Respiratory Failure Patients with Do Not Intubate Orders. Journal of Clinical Medicine, 2021, 10, 2783.	2.4	6
65	Detection of cerebral hypoperfusion with a dynamic hyperoxia test using brain oxygenation pressure monitoring. Critical Care, 2022, 26, 35.	5.8	6
66	The effects of acute renal denervation on kidney perfusion and metabolism in experimental septic shock. BMC Nephrology, 2017, 18, 182.	1.8	5
67	Changes in kidney perfusion and renal cortex metabolism in septic shock: an experimental study. Journal of Surgical Research, 2017, 207, 145-154.	1.6	5
68	Critical care medicine in 2050: less invasive, more connected, and personalized. Journal of Thoracic Disease, 2019, 11, 335-338.	1.4	5
69	Comparison of estimation of cardiac output using an uncalibrated pulse contour method and echocardiography during veno-venous extracorporeal membrane oxygenation. Perfusion (United) Tj ETQq1 1 0.784314 rgBT /Overloc		
70	Cerebral autoregulation in anoxic brain injury patients treated with targeted temperature management. Journal of Intensive Care, 2021, 9, 67.	2.9	5
71	Use of Sedatives and Neuromuscular-Blocking Agents in Mechanically Ventilated Patients with COVID-19 ARDS. Microorganisms, 2021, 9, 2393.	3.6	5
72	Effects of acute ethanol intoxication in an ovine peritonitis model. BMC Anesthesiology, 2018, 18, 70.	1.8	4

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73	Relationship between Microcirculatory Perfusion and Arterial Elastance: A Pilot Study. Critical Care Research and Practice, 2019, 2019, 1-9.	1.1	4
74	Low hemoglobin and venous saturation levels are associated with poor neurological outcomes after cardiac arrest. Resuscitation, 2020, 153, 202-208.	3.0	4
75	An increase in skin blood flow induced by fluid challenge is associated with an increase in oxygen consumption in patients with circulatory shock. Journal of Critical Care, 2022, 69, 153984.	2.2	4
76	The Cerebrospinal Fluid Proteomic Response to Traumatic and Nontraumatic Acute Brain Injury: A Prospective Study. Neurocritical Care, 2022, 37, 463-470.	2.4	4
77	Big data are here to stay!. Anaesthesia, Critical Care & Pain Medicine, 2019, 38, 339-340.	1.4	3
78	Delay of cerebral autoregulation in traumatic brain injury patients. Clinical Neurology and Neurosurgery, 2021, 202, 106478.	1.4	3
79	Prognostic role of automatic pupillometry in sepsis: a retrospective study. Minerva Anestesiologica, 2022, 88, .	1.0	3
80	Pain pupillary index to prognosticate unfavorable outcome in comatose cardiac arrest patients. Resuscitation, 2022, , .	3.0	3
81	Things we would never do regarding endâ€ofâ€life care in the ICU. Intensive Care Medicine, 2020, 46, 145-146.	8.2	2
82	Veno-arterial CO2 difference and respiratory quotient after cardiac arrest: An observational cohort study. Journal of Critical Care, 2021, 62, 131-137.	2.2	2
83	A comprehensive neuromonitoring approach in a large animal model of cardiac arrest. Animal Models and Experimental Medicine, 2022, 5, 56-60.	3.3	2
84	The Impact of Short-Term Hyperoxia on Cerebral Metabolism: A Systematic Review and Meta-Analysis. Neurocritical Care, 2022, 37, 547-557.	2.4	2
85	An intact animal model for the assessment of coronary blood flow regulation â€œCoronary blood flow regulationâ€• Physiological Reports, 2020, 8, e14510.	1.7	1
86	The use of automated pupillometry in critically ill cirrhotic patients with hepatic encephalopathy. Journal of Critical Care, 2021, 62, 176-182.	2.2	1
87	Organ donation after circulatory death: please do not waste time!. Intensive Care Medicine, 2021, 47, 720-721.	8.2	1
88	The burden of implementation: A mixed methods study on barriers to an ICU follow-up program. Journal of Critical Care, 2021, 65, 170-176.	2.2	1
89	Reply to the comment by Dr. Hasibeder et al.. Intensive Care Medicine, 2006, 32, 1667-1667.	8.2	0
90	Is this critically ill patient going to survive?. Intensive Care Medicine, 2016, 42, 426-428.	8.2	0

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91	Le Service des Soins Intensifs de lâ€™HÃ´pital Erasme (Cliniques Universitaires de Bruxelles). AnesthÃ©sie & RÃ©animation, 2020, 6, 50-53.	0.1	0
92	Meningococcaemia causing necrotizing cellulitis associated with acquired complement deficiency after gastric bypass surgery: a case report. BMC Infectious Diseases, 2020, 20, 361.	2.9	0
93	Early Hyperdynamic Sepsis Alters Coronary Blood Flow Regulation in Porcine Fecal Peritonitis. Frontiers in Physiology, 2021, 12, 754570.	2.8	0
94	Hyperammonemia during treatment with valproate in critically ill patients. Clinical Neurology and Neurosurgery, 2022, 212, 107092.	1.4	0
95	Phosphatase alkaline levels are not associated with poor outcomes in subarachnoid hemorrhage patients. Clinical Neurology and Neurosurgery, 2022, 215, 107185.	1.4	0