

Didier Payen

List of Publications by Year in descending order

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Version: 2024-02-01

103
papers

15,089
citations

50276

46
h-index

30922

102
g-index

110
all docs

110
docs citations

110
times ranked

13005
citing authors

#	ARTICLE	IF	CITATIONS
1	Hydrocortisone Therapy for Patients with Septic Shock. <i>New England Journal of Medicine</i> , 2008, 358, 111-124.	27.0	2,900
2	Sepsis-induced immunosuppression: from cellular dysfunctions to immunotherapy. <i>Nature Reviews Immunology</i> , 2013, 13, 862-874.	22.7	1,819
3	Immunosuppression in sepsis: a novel understanding of the disorder and a new therapeutic approach. <i>Lancet Infectious Diseases</i> , The, 2013, 13, 260-268.	9.1	1,138
4	Drotrecogin Alfa (Activated) in Adults with Septic Shock. <i>New England Journal of Medicine</i> , 2012, 366, 2055-2064.	27.0	1,112
5	A positive fluid balance is associated with a worse outcome in patients with acute renal failure. <i>Critical Care</i> , 2008, 12, R74.	5.8	793
6	A Unified Theory of Sepsis-Induced Acute Kidney Injury. <i>Shock</i> , 2014, 41, 3-11.	2.1	602
7	Does dopamine administration in shock influence outcome? Results of the Sepsis Occurrence in Acutely Ill Patients (SOAP) Study*. <i>Critical Care Medicine</i> , 2006, 34, 589-597.	0.9	380
8	Association between systemic hemodynamics and septic acute kidney injury in critically ill patients: a retrospective observational study. <i>Critical Care</i> , 2013, 17, R278.	5.8	315
9	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.	8.2	305
10	Impact of continuous venovenous hemofiltration on organ failure during the early phase of severe sepsis: A randomized controlled trial*. <i>Critical Care Medicine</i> , 2009, 37, 803-810.	0.9	296
11	Cytokine Cascade in Sepsis. <i>Scandinavian Journal of Infectious Diseases</i> , 2003, 35, 535-544.	1.5	282
12	A Comparison of Standard Cardiopulmonary Resuscitation and Active Compressionâ€“Decompression Resuscitation for Out-of-Hospital Cardiac Arrest. <i>New England Journal of Medicine</i> , 1999, 341, 569-575.	27.0	226
13	Monocytic HLA-DR expression in intensive care patients: Interest for prognosis and secondary infection prediction*. <i>Critical Care Medicine</i> , 2009, 37, 2746-2752.	0.9	192
14	Monocytic HLA-DR expression in intensive care patients: Interest for prognosis and secondary infection prediction *. <i>Critical Care Medicine</i> , 2009, 37, 2746-2752.	0.9	190
15	Monitoring the immune response in sepsis: a rational approach to administration of immunoadjuvant therapies. <i>Current Opinion in Immunology</i> , 2013, 25, 477-483.	5.5	178
16	Perioperative cardiovascular monitoring of high-risk patients: a consensus of 12. <i>Critical Care</i> , 2015, 19, 224.	5.8	167
17	Inhaled Nitric Oxide Does Not Reduce Mortality in Patients With Acute Respiratory Distress Syndrome Regardless of Severity. <i>Critical Care Medicine</i> , 2014, 42, 404-412.	0.9	164
18	Renal replacement therapy in acute kidney injury: controversy and consensus. <i>Critical Care</i> , 2015, 19, 146.	5.8	157

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19	Oxygen consumption of human peripheral blood mononuclear cells in severe human sepsis *. Critical Care Medicine, 2007, 35, 2702-2708.	0.9	154
20	Benefit of Active Compression-Decompression Cardiopulmonary Resuscitation as a Prehospital Advanced Cardiac Life Support. Circulation, 1997, 95, 955-961.	1.6	136
21	The pulmonary artery catheter: In medio virtus. Critical Care Medicine, 2008, 36, 3093-3096.	0.9	133
22	The role of the microcirculation in acute kidney injury. Current Opinion in Critical Care, 2009, 15, 503-508.	3.2	130
23	Effect of Human Recombinant Alkaline Phosphatase on 7-Day Creatinine Clearance in Patients With Sepsis-Associated Acute Kidney Injury. JAMA - Journal of the American Medical Association, 2018, 320, 1998.	7.4	127
24	Immune Cell Phenotype and Function in Sepsis. Shock, 2016, 45, 282-291.	2.1	126
25	Management of renal replacement therapy in ICU patients: an international survey. Intensive Care Medicine, 2013, 39, 101-108.	8.2	124
26	The role of renal hypoperfusion in development of renal microcirculatory dysfunction in endotoxemic rats. Intensive Care Medicine, 2011, 37, 1534-1542.	8.2	121
27	Reduced Ex Vivo Interleukin-8 Production by Neutrophils in Septic and Nonseptic Systemic Inflammatory Response Syndrome. Blood, 1998, 91, 3439-3446.	1.4	114
28	Current use of vasopressors in septic shock. Annals of Intensive Care, 2019, 9, 20.	4.6	109
29	Fluid Resuscitation Does Not Improve Renal Oxygenation during Hemorrhagic Shock in Rats. Anesthesiology, 2010, 112, 119-127.	2.5	107
30	Exocytosis acts as a modulator of the ILT4-mediated inhibition of neutrophil functions. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 17957-17962.	7.1	104
31	Is thenar tissue hemoglobin oxygen saturation in septic shock related to macrohemodynamic variables and outcome?. Critical Care, 2009, 13, S6.	5.8	103
32	Bench-to-bedside review: Glucose and stress conditions in the intensive care unit. Critical Care, 2010, 14, 231.	5.8	100
33	Systemic and renal macro- and microcirculatory responses to arginine vasopressin in endotoxic rabbits*. Critical Care Medicine, 2004, 32, 1891-1898.	0.9	95
34	A Multicentre Study of Acute Kidney Injury in Severe Sepsis and Septic Shock: Association with Inflammatory Phenotype and HLA Genotype. PLoS ONE, 2012, 7, e35838.	2.5	95
35	Understanding Lactatemia in Human Sepsis. Potential Impact for Early Management. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 582-589.	5.6	90
36	Multicentric experience with interferon gamma therapy in sepsis induced immunosuppression. A case series. BMC Infectious Diseases, 2019, 19, 931.	2.9	88

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37	Longitudinal study of cytokine and immune transcription factor mRNA expression in septic shock. <i>Clinical Immunology</i> , 2005, 114, 61-69.	3.2	87
38	Effects of L-arginine and L-nitro-arginine treatment on blood pressure and cardiac output in a rabbit endotoxin shock model. <i>Critical Care Medicine</i> , 1994, 22, 465-469.	0.9	85
39	Hypoxemia in Acute Pulmonary Embolism. <i>Chest</i> , 1985, 88, 829-836.	0.8	83
40	Reversal of neutrophil-to-lymphocyte count ratio in early versus late death from septic shock. <i>Critical Care</i> , 2015, 19, 439.	5.8	78
41	Gene profiling in human blood leucocytes during recovery from septic shock. <i>Intensive Care Medicine</i> , 2008, 34, 1371-1376.	8.2	70
42	Ly6Chigh Monocytes Protect against Kidney Damage during Sepsis via a CX3CR1-Dependent Adhesion Mechanism. <i>Journal of the American Society of Nephrology: JASN</i> , 2016, 27, 792-803.	6.1	70
43	Impact of Inhaled Nitric Oxide on Platelet Aggregation and Fibrinolysis in Rats with Endotoxic Lung Injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , 1998, 158, 833-839.	5.6	67
44	Pulsed Doppler Ascending Aortic, Carotid, Brachial, and Femoral Artery Blood Flows during Caudal Anesthesia in Infants. <i>Anesthesiology</i> , 1987, 67, 681-685.	2.5	66
45	Interleukin-1 receptor antagonist production during infectious and noninfectious systemic inflammatory response syndrome. <i>Critical Care Medicine</i> , 2000, 28, 2277-2282.	0.9	54
46	A Longitudinal Study of Immune Cells in Severe COVID-19 Patients. <i>Frontiers in Immunology</i> , 2020, 11, 580250.	4.8	53
47	Interest of a Therapeutic Optimization Strategy in Severe ARDS. <i>Chest</i> , 1997, 111, 1000-1007.	0.8	52
48	High plasma level of S100A8/S100A9 and S100A12 at admission indicates a higher risk of death in septic shock patients. <i>Scientific Reports</i> , 2019, 9, 15660.	3.3	52
49	The Postoperative Effects of Halothane Versus Isoflurane on Hepatic Artery and Portal Vein Blood Flow in Humans. <i>Anesthesia and Analgesia</i> , 2003, 96, 740-745.	2.2	45
50	HISTOCOMPATIBILITY LEUKOCYTE ANTIGEN-D RELATED EXPRESSION IS SPECIFICALLY ALTERED AND PREDICTS MORTALITY IN SEPTIC SHOCK BUT NOT IN OTHER CAUSES OF SHOCK. <i>Shock</i> , 2004, 22, 521-526.	2.1	45
51	The Microcirculation of the Septic Kidney. <i>Seminars in Nephrology</i> , 2015, 35, 75-84.	1.6	44
52	EX VIVO T-LYMPHOCYTE DERIVED CYTOKINE PRODUCTION IN SIRS PATIENTS IS INFLUENCED BY EXPERIMENTAL PROCEDURES. <i>Shock</i> , 2000, 13, 169-174.	2.1	42
53	Human Monocytes Differentiate into Dendritic Cells Subsets that Induce Anergic and Regulatory T Cells in Sepsis. <i>PLoS ONE</i> , 2012, 7, e47209.	2.5	42
54	Inhaled Nitric Oxide Improves Hepatic Tissue Oxygenation in Right Ventricular Failure. <i>Anesthesiology</i> , 1995, 82, 588-590.	2.5	41

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55	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.	0.9	41
56	CXCL5-mediated recruitment of neutrophils into the peritoneal cavity of <i>Gdf15</i> -deficient mice protects against abdominal sepsis. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 12281-12287.	7.1	39
57	No evidence for cerebral hypoperfusion during cerebral malaria. <i>Critical Care Medicine</i> , 1999, 27, 628-632.	0.9	37
58	Post-ICU discharge and outcome: rationale and methods of the The French and euROpean Outcome reGistry in Intensive Care Units (FROG-ICU) observational study. <i>BMC Anesthesiology</i> , 2015, 15, 143.	1.8	35
59	Current use of inotropes in circulatory shock. <i>Annals of Intensive Care</i> , 2021, 11, 21.	4.6	35
60	Intravenous Almitrine Bismesylate Reversibly Induces Lactic Acidosis and Hepatic Dysfunction in Patients with Acute Lung Injury. <i>Anesthesiology</i> , 1998, 89, 823-830.	2.5	34
61	Nitric oxide involvement in the hemodynamic response to fluid resuscitation in endotoxic shock in rats. <i>Critical Care Medicine</i> , 2006, 34, 2426-2431.	0.9	32
62	The Pressure Recording Analytical Method (PRAM): Technical Concepts and Literature Review. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2017, 31, 1460-1470.	1.3	29
63	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.	5.8	29
64	Inhaled Nitric Oxide, Almitrine Infusion, or Their Coadministration as a Treatment of Severe Hypoxemic Focal Lung Lesions. <i>Anesthesiology</i> , 1998, 89, 1157-1165.	2.5	27
65	Outcome of a cohort of severe cerebral venous thrombosis in intensive care. <i>Annals of Intensive Care</i> , 2016, 6, 29.	4.6	27
66	Platelet activation and aggregation after aneurysmal subarachnoid hemorrhage. <i>BMC Neurology</i> , 2018, 18, 57.	1.8	26
67	Increasing Maternal Blood Pressure with Ephedrine Increases Uterine Artery Blood Flow Velocity during Uterine Contraction. <i>Anesthesiology</i> , 2002, 96, 612-616.	2.5	24
68	Reconsidering Vasopressors for Cardiogenic Shock. <i>Chest</i> , 2019, 156, 392-401.	0.8	24
69	Modulation by Polymyxin-B Hemoperfusion of Inflammatory Response Related to Severe Peritonitis. <i>Shock</i> , 2017, 47, 93-99.	2.1	22
70	Case of Triple Endocarditis Caused by <i>Rothia dentocariosa</i> and Results of a Survey in France. <i>Journal of Clinical Microbiology</i> , 1998, 36, 309-310.	3.9	21
71	Downregulation of Blood Monocyte HLA-DR in ICU Patients Is Also Present in Bone Marrow Cells. <i>PLoS ONE</i> , 2016, 11, e0164489.	2.5	19
72	Almitrine as a non-ventilatory strategy to improve intrapulmonary shunt in COVID-19 patients. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2020, 39, 467-469.	1.4	19

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73	Elevated production of radical oxygen species by polymorphonuclear neutrophils in cerebrospinal fluid infection. <i>Annals of Intensive Care</i> , 2012, 2, 10.	4.6	18
74	Case Scenario: Hemodynamic Management of Postoperative Acute Kidney Injury. <i>Anesthesiology</i> , 2013, 118, 1446-1454.	2.5	16
75	Cardiac troponin and skeletal muscle oxygenation in severe post-partum haemorrhage. <i>Critical Care</i> , 2009, 13, S8.	5.8	15
76	Top-Down and Bottom-Up Proteomics of Circulating S100A8/S100A9 in Plasma of Septic Shock Patients. <i>Journal of Proteome Research</i> , 2020, 19, 914-925.	3.7	15
77	CITRIS-ALI: How statistics were used to obfuscate the true findings. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2019, 38, 575-577.	1.4	14
78	Doppler Cardiac Output and Left Ventricular Performance after Cardiac Surgery. <i>Chest</i> , 1992, 102, 380-386.	0.8	12
79	Comparison of two different generations of NIRS devices and transducers in healthy volunteers and ICU patients. <i>Journal of Clinical Monitoring and Computing</i> , 2013, 27, 71-79.	1.6	11
80	Genetic Predisposition to the Mortality in Septic Shock Patients: From GWAS to the Identification of a Regulatory Variant Modulating the Activity of a CISH Enhancer. <i>International Journal of Molecular Sciences</i> , 2021, 22, 5852.	4.1	11
81	The gut as a hidden source of sepsis. <i>Minerva Anestesiologica</i> , 2020, 86, 662-669.	1.0	10
82	Influence of systemic hemodynamics on microcirculation during sepsis. <i>Journal of Critical Care</i> , 2019, 52, 213-218.	2.2	9
83	Multivariable haemodynamic approach to predict the fluid challenge response. <i>European Journal of Anaesthesiology</i> , 2021, 38, 22-31.	1.7	9
84	Prediction of fluid challenge effect: filling pressure when left ventricular function is abnormal, diastolic volume when left ventricular function is normal. <i>Critical Care</i> , 2011, 15, 139.	5.8	8
85	What's new in the extracorporeal treatment of sepsis?. <i>Intensive Care Medicine</i> , 2017, 43, 1498-1500.	8.2	8
86	Haemoperfusion with polymyxin B membrane: Recent results for an old debate!. <i>Anaesthesia, Critical Care & Pain Medicine</i> , 2019, 38, 3-4.	1.4	8
87	Case Report: Interferon- β Restores Monocytic Human Leukocyte Antigen Receptor (mHLA-DR) in Severe COVID-19 With Acquired Immunosuppression Syndrome. <i>Frontiers in Immunology</i> , 2021, 12, 645124.	4.8	6
88	Case Report: Interferon- β Rescues Monocytic Human Leukocyte Antigen Receptor (mHLA-DR) Function in a COVID-19 Patient With ARDS and Superinfection With Multiple MDR 4MRGN Bacterial Strains. <i>Frontiers in Immunology</i> , 2021, 12, 753849.	4.8	6
89	Endotoxin Mass Concentration in Plasma Is Associated With Mortality in a Multicentric Cohort of Peritonitis-Induced Shock. <i>Frontiers in Medicine</i> , 2021, 8, 749405.	2.6	5
90	Does the definition of fluid responsiveness affect passive leg raising reliability? A methodological ancillary analysis from a multicentric study. <i>Minerva Anestesiologica</i> , 2022, 88, .	1.0	5

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91	Impact of extended monitoring-guided intensive care on outcome after severe traumatic brain injury: A prospective multicentre cohort study (Paris-TBI study). <i>Brain Injury</i> , 2017, 31, 1642-1650.	1.2	4
92	Impact of fluid challenge increase in cardiac output on the relationship between systemic and cerebral hemodynamics in severe sepsis compared to brain injury and controls. <i>Annals of Intensive Care</i> , 2018, 8, 74.	4.6	4
93	Immunity check should be performed for all patients with septic shock? No. <i>Intensive Care Medicine</i> , 2020, 46, 506-509.	8.2	4
94	Lower Body Positive Pressure Application with an Antigravity Suit in Acute Carotid Occlusion. <i>Stroke Research and Treatment</i> , 2010, 2010, 1-5.	0.8	3
95	Multicenter Testing of the Rapid Quantification of Radical Oxygen Species in Cerebrospinal Fluid to Diagnose Bacterial Meningitis. <i>PLoS ONE</i> , 2015, 10, e0128286.	2.5	3
96	Coronavirus Disease 2019 Acute Respiratory Failure: Almitrine Drug Resuscitation or Resuscitating Patients by Almitrine?*. <i>Critical Care Medicine</i> , 2021, 49, 387-389.	0.9	3
97	Reactive oxygen species measure for rapid detection of infection in fluids. <i>Annals of Intensive Care</i> , 2016, 6, 41.	4.6	2
98	Pitfalls in the assessment of ventriculo-arterial coupling from peripheral waveform analysis in septic shock. Comment on <i>Br J Anaesth</i> 2020; 125: 1018-1024. <i>British Journal of Anaesthesia</i> , 2021, 126, e101-e102.	3.4	2
99	Mucosal associated invariant T (MAIT) cell: a novel cellular mechanism participating in post-aggressive immunodepression. <i>Intensive Care Medicine</i> , 2014, 40, 275-277.	8.2	1
100	Hyperoxie: un réel enjeu?. <i>Anesthésie & Réanimation</i> , 2018, 4, 134-137.	0.1	1
101	Genetic Predisposition for Acute Kidney Injury (AKI). , 2019, , 90-94.e1.		1
102	Temporary application of lower body positive pressure improves intracranial velocities in symptomatic acute carotid occlusion or tight stenosis: A pilot study. <i>International Journal of Stroke</i> , 2021, , 174749302110080.	5.9	1
103	Inhaled nitric oxide for safer use of hemoglobin-based oxygen carrier infusion (HBOC): A new indication?. <i>Journal of Critical Care</i> , 2019, 51, 217-218.	2.2	0