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List of Publications by Year
in descending order

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45 papers	2,260 citations	257450 24 h-index	233421 45 g-index
45 all docs	45 docs citations	45 times ranked	3372 citing authors

#	Article	IF	Citations
1	Effect of Early Sustained Prophylactic Hypothermia on Neurologic Outcomes Among Patients With Severe Traumatic Brain Injury. JAMA - Journal of the American Medical Association, 2018, 320, 2211.	7.4	226
2	Erythropoietin in traumatic brain injury (EPO-TBI): a double-blind randomised controlled trial. Lancet, The, 2015, 386, 2499-2506.	13.7	217
3	Microcirculatory Alterations in Traumatic Hemorrhagic Shock*. Critical Care Medicine, 2014, 42, 1433-1441.	0.9	152
4	Cardiac Arrest after Injection of Ropivacaine for Posterior Lumbar Plexus Blockade. Anesthesiology, 2003, 99, 1451-1453.	2.5	120
5	Changes in cerebral blood flow and oxygen extraction during post-resuscitation syndrome. Resuscitation, 2008, 76, 17-24.	3.0	115
6	Oxidative stress and endothelial dysfunction during sepsis. Frontiers in Bioscience - Landmark, 2011, 16, 1986.	3.0	100
7	Alterations of mitochondrial function in sepsis and critical illness. Current Opinion in Anaesthesiology, 2009, 22, 143-149.	2.0	96
8	Plasma-induced endothelial oxidative stress is related to the severity of septic shock*. Critical Care Medicine, 2007, 35, 821-826.	0.9	90
9	Venous thromboembolic events in critically ill traumatic brain injury patients. Intensive Care Medicine, 2017, 43, 419-428.	8.2	86
10	Dicarbonyl Stress in the Absence of Hyperglycemia Increases Endothelial Inflammation and Atherogenesis Similar to That Observed in Diabetes. Diabetes, 2014, 63, 3915-3925.	0.6	74
11	Effect of Continuous Infusion of Hypertonic Saline vs Standard Care on 6-Month Neurological Outcomes in Patients With Traumatic Brain Injury. JAMA - Journal of the American Medical Association, 2021, 325, 2056.	7.4	64
12	Ensuring Animal Welfare While Meeting Scientific Aims Using a Murine Pneumonia Model of Septic Shock. Shock, 2013, 39, 488-494.	2.1	60
13	Direct Endothelial Nitric Oxide Synthase Activation Provides Atheroprotection in Diabetes-Accelerated Atherosclerosis. Diabetes, 2015, 64, 3937-3950.	0.6	60
14	Transactivation of RAGE mediates angiotensin-induced inflammation and atherogenesis. Journal of Clinical Investigation, 2018, 129, 406-421.	8.2	59
15	Postresuscitation syndrome: Potential role of hydroxyl radical-induced endothelial cell damage*. Critical Care Medicine, 2011, 39, 1712-1720.	0.9	57
16	Compound 21, a selective agonist of angiotensin AT₂ receptors, prevents endothelial inflammation and leukocyte adhesion in vitro and in vivo. British Journal of Pharmacology, 2016, 173, 729-740.	5.4	51
17	Activation of the Renin-Angiotensin System Mediates the Effects of Dietary Salt Intake on Atherogenesis in the Apolipoprotein E Knockout Mouse. Hypertension, 2012, 60, 98-105.	2.7	48
18	Pivotal role of glutathione depletion in plasma-induced endothelial oxidative stress during sepsis. Critical Care Medicine, 2008, 36, 2328-2334.	0.9	42

#	Article	IF	Citations
19	Norepinephrine Decreases Fluid Requirements and Blood Loss While Preserving Intestinal Villi Microcirculation during Fluid Resuscitation of Uncontrolled Hemorrhagic Shock in Mice. Anesthesiology, 2015, 122, 1093-1102.	2.5	38
20	The Limits of Succinylcholine for Critically Ill Patients. Anesthesia and Analgesia, 2012, 115, 873-879.	2.2	37
21	Lack of glutathione peroxidase-1 facilitates a pro-inflammatory and activated vascular endothelium. Vascular Pharmacology, 2016, 79, 32-42.	2.1	37
22	Septic shock: desperately seeking treatment. Clinical Science, 2014, 126, 31-39.	4.3	36
23	Interleukin 10 Antioxidant Effect Decreases Leukocytes/Endothelial Interaction Induced by Tumor Necrosis Factor Î±. Shock, 2013, 39, 83-88.	2.1	34
24	Endothelial oxidative stress induced by serum from patients with severe trauma hemorrhage. Intensive Care Medicine, 2005, 31, 1174-1180.	8.2	31
25	Erythropoietin in traumatic brain injury: study protocol for a randomised controlled trial. Trials, 2015, 16, 39.	1.6	27
26	Variation in endogenous oxidative stress in Escherichia coli natural isolates during growth in urine. BMC Microbiology, 2012, 12, 120.	3.3	25
27	Erythropoietin in traumatic brain injury associated acute kidney injury: A randomized controlled trial. Acta Anaesthesiologica Scandinavica, 2019, 63, 200-207.	1.6	24
28	Management and prevention of anemia (acute bleeding excluded) in adult critical care patients. Annals of Intensive Care, 2020, 10, 97.	4.6	24
29	Synergistic Deleterious Effect of Hypoxemia and Hypovolemia on Microcirculation in Intestinal Villi*. Critical Care Medicine, 2013, 41, e376-e384.	0.9	23
30	Stored red blood cell susceptibility to in vitro transfusionâ€associated stress conditions is higher after longer storage and increased by storage in salineâ€adenineâ€glucoseâ€mannitol compared to ASâ€1. Transfusion, 2015, 55, 2197-2206.	1.6	21
31	COBI (COntinuous hyperosmolar therapy for traumatic Brain-Injured patients) trial protocol: a multicentre randomised open-label trial with blinded adjudication of primary outcome. BMJ Open, 2017, 7, e018035.	1.9	19
32	Nitroxyl (HNO) reduces endothelial and monocyte activation and promotes M2 macrophage polarization. Clinical Science, 2016, 130, 1629-1640.	4.3	18
33	Changes in urine composition after trauma facilitate bacterial growth. BMC Infectious Diseases, 2012, 12, 330.	2.9	17
34	Statistical analysis plan for the Erythropoietin in Traumatic Brain Injury trial: a randomised controlled trial of erythropoietin versus placebo in moderate and severe traumatic brain injury. Trials, 2014, 15, 501.	1.6	16
35	Erythropoietin in patients with traumatic brain injury and extracranial injuryâ€"A post hoc analysis of the erythropoietin traumatic brain injury trial. Journal of Trauma and Acute Care Surgery, 2017, 83, 449-456.	2.1	14
36	A Post Hoc Analysis of Osmotherapy Use in the Erythropoietin in Traumatic Brain Injury Studyâ€"Associations With Acute Kidney Injury and Mortality. Critical Care Medicine, 2021, 49, e394-e403.	0.9	14

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37	In Vitro Plasma-Induced Endothelial Oxidative Stress and Circulating Markers of Endothelial Dysfunction in Preeclampsia: An Observational Study. Hypertension in Pregnancy, 2009, 28, 212-223.	1.1	13
38	Cause and Timing of Death and Subgroup Differential Effects of Erythropoietin in the EPO-TBI Study. Journal of Neurotrauma, 2018, 35, 333-340.	3.4	13
39	Cost-Effectiveness of Erythropoietin in Traumatic Brain Injury: A Multinational Trial-Based Economic Analysis. Journal of Neurotrauma, 2019, 36, 2541-2548.	3.4	12
40	Management and prevention of anemia (acute bleeding excluded) in adult critical care patients. Anaesthesia, Critical Care & Pain Medicine, 2020, 39, 655-664.	1.4	11
41	Protective Effect of Inflammasome Activation by Hydrogen Peroxide in a Mouse Model of Septic Shock. Critical Care Medicine, 2017, 45, e184-e194.	0.9	9
42	Statistical analysis plan for the POLAR-RCT: The Prophylactic hypOthermia trial to Lessen trAumatic bRain injury-Randomised Controlled Trial. Trials, 2018, 19, 259.	1.6	9
43	Î²2-adrenergic agonist protects human endothelial cells from hypoxia/reoxygenation injury in vitro. Critical Care Medicine, 2006, 34, 165-172.	0.9	8
44	Coenzyme Q10 deficiency in septic shock patients. Critical Care, 2011, 15, 194.	5.8	7
45	The ethical dimension in published animal research in critical care: the dark side of our moon. Critical Care, 2014, 18, 120.	5.8	6