

Hernando GÃ“mez

List of Publications by Year in descending order

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Version: 2024-02-01

44
papers

8,878
citations

304602

22
h-index

265120

42
g-index

44
all docs

44
docs citations

44
times ranked

18705
citing authors

#	ARTICLE	IF	CITATIONS
1	Guidelines for the use and interpretation of assays for monitoring autophagy (3rd edition). <i>Autophagy</i> , 2016, 12, 1-222.	4.3	4,701
2	Derivation, Validation, and Potential Treatment Implications of Novel Clinical Phenotypes for Sepsis. <i>JAMA - Journal of the American Medical Association</i> , 2019, 321, 2003.	3.8	753
3	Acute kidney injury from sepsis: current concepts, epidemiology, pathophysiology, prevention and treatment. <i>Kidney International</i> , 2019, 96, 1083-1099.	2.6	649
4	A Unified Theory of Sepsis-Induced Acute Kidney Injury. <i>Shock</i> , 2014, 41, 3-11.	1.0	602
5	The Endothelium in Sepsis. <i>Shock</i> , 2016, 45, 259-270.	1.0	453
6	Sepsis-induced acute kidney injury. <i>Current Opinion in Critical Care</i> , 2016, 22, 546-553.	1.6	213
7	Use of non-invasive NIRS during a vascular occlusion test to assess dynamic tissue O2 saturation response. <i>Intensive Care Medicine</i> , 2008, 34, 1600-1607.	3.9	176
8	Mechanisms of Organ Dysfunction in Sepsis. <i>Critical Care Clinics</i> , 2018, 34, 63-80.	1.0	145
9	Mitochondrial Function in Sepsis. <i>Shock</i> , 2016, 45, 271-281.	1.0	142
10	Metabolic reprogramming and tolerance during sepsis-induced AKI. <i>Nature Reviews Nephrology</i> , 2017, 13, 143-151.	4.1	113
11	Precision medicine for all? Challenges and opportunities for a precision medicine approach to critical illness. <i>Critical Care</i> , 2017, 21, 257.	2.5	105
12	Augmenting Autophagy to Treat Acute Kidney Injury during Endotoxemia in Mice. <i>PLoS ONE</i> , 2013, 8, e69520.	1.1	96
13	Insulin-like growth factor binding protein 7 and tissue inhibitor of metalloproteinases-2: differential expression and secretion in human kidney tubule cells. <i>American Journal of Physiology - Renal Physiology</i> , 2017, 312, F284-F296.	1.3	94
14	Adenosine monophosphate-activated protein kinase activation protects against sepsis-induced organ injury and inflammation. <i>Journal of Surgical Research</i> , 2015, 194, 262-272.	0.8	91
15	Sepsis-Associated Acute Kidney Injury. <i>Critical Care Clinics</i> , 2021, 37, 279-301.	1.0	80
16	Characterization of tissue oxygen saturation and the vascular occlusion test: influence of measurement sites, probe sizes and deflation thresholds. <i>Critical Care</i> , 2009, 13, S3.	2.5	77
17	Sepsis results in an altered renal metabolic and osmolyte profile. <i>Journal of Surgical Research</i> , 2016, 202, 8-12.	0.8	45
18	Activation of AMP-activated protein kinase during sepsis/inflammation improves survival by preserving cellular metabolic fitness. <i>FASEB Journal</i> , 2020, 34, 7036-7057.	0.2	42

#	ARTICLE	IF	CITATIONS
19	Understanding Acid Base Disorders. <i>Critical Care Clinics</i> , 2015, 31, 849-860.	1.0	33
20	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
21	Polymicrobial sepsis is associated with decreased hepatic oxidative phosphorylation and an altered metabolic profile. <i>Journal of Surgical Research</i> , 2014, 186, 297-303.	0.8	28
22	Physiologic responses to severe hemorrhagic shock and the genesis of cardiovascular collapse: Can irreversibility be anticipated?. <i>Journal of Surgical Research</i> , 2012, 178, 358-369.	0.8	27
23	Lactate in Sepsis. <i>JAMA - Journal of the American Medical Association</i> , 2015, 313, 194.	3.8	24
24	Inhaled Carbon Monoxide Protects against the Development of Shock and Mitochondrial Injury following Hemorrhage and Resuscitation. <i>PLoS ONE</i> , 2015, 10, e0135032.	1.1	17
25	Subtypes and Mimics of Sepsis. <i>Critical Care Clinics</i> , 2022, 38, 195-211.	1.0	17
26	The impact of red blood cell storage duration on tissue oxygenation in cardiac surgery. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2017, 153, 610-619.e2.	0.4	15
27	Metabolic Reprogramming and Host Tolerance: A Novel Concept to Understand Sepsis-Associated AKI. <i>Journal of Clinical Medicine</i> , 2021, 10, 4184.	1.0	12
28	The Role of Energy Regulation in the Tubular Epithelial Cell Response to Sepsis. <i>Nephron</i> , 2015, 131, 255-258.	0.9	11
29	Effects of 5% Albumin Plus Saline Versus Saline Alone on Outcomes From Large-Volume Resuscitation in Critically Ill Patients. <i>Critical Care Medicine</i> , 2021, 49, 79-90.	0.4	11
30	Sepsis with liver dysfunction and coagulopathy predicts an inflammatory pattern of macrophage activation. <i>Intensive Care Medicine Experimental</i> , 2022, 10, 6.	0.9	11
31	Effects of inhalation of low-dose nitrite or carbon monoxide on post-reperfusion mitochondrial function and tissue injury in hemorrhagic shock swine. <i>Critical Care</i> , 2015, 19, 184.	2.5	10
32	ECMO and Impella Support Strategies as a Bridge to Surgical Repair of Post-Infarction Ventricular Septal Rupture. <i>Medicina (Lithuania)</i> , 2022, 58, 611.	0.8	10
33	Association of Metformin Use During Hospitalization and Mortality in Critically Ill Adults With Type 2 Diabetes Mellitus and Sepsis*. <i>Critical Care Medicine</i> , 2022, 50, 935-944.	0.4	9
34	Inhaled, nebulized sodium nitrite protects in murine and porcine experimental models of hemorrhagic shock and resuscitation by limiting mitochondrial injury. <i>Nitric Oxide - Biology and Chemistry</i> , 2015, 51, 7-18.	1.2	8
35	The Pathogenesis of Ischemia-Reperfusion Induced Acute Kidney Injury Depends on Renal Neutrophil Recruitment Whereas Sepsis-Induced AKI Does Not. <i>Frontiers in Immunology</i> , 2022, 13, 843782.	2.2	8
36	Innovations and Emerging Therapies to Combat Renal Cell Damage: NAD ⁺ As a Drug Target. <i>Antioxidants and Redox Signaling</i> , 2021, 35, 1449-1466.	2.5	7

#	ARTICLE	IF	CITATIONS
37	Real-time visual analysis of microvascular blood flow for critical care. , 2015, , .		3
38	The Microcirculatory Response to Endotoxemia and Resuscitation Is a Marker of Regional Renal Perfusion, Renal Metabolic Stress, and Tubular Injury. Antioxidants and Redox Signaling, 2021, 35, 1407-1425.	2.5	3
39	Postoperative Albumin. Critical Care Medicine, 2015, 43, 2680-2681.	0.4	2
40	Characterization of Blood Volume Space and Mitochondrial Activity in Functional Renal Cells. IFAC-PapersOnLine, 2018, 51, 118-119.	0.5	2
41	The Janus faces of bicarbonate therapy in the ICU: con. Intensive Care Medicine, 2020, 46, 519-521.	3.9	2
42	Between chromatin and SNPs: genetic variability and the susceptibility to acute kidney injury. Critical Care, 2017, 21, 138.	2.5	1
43	Uncommon Causes of Acute Kidney Injury. Critical Care Clinics, 2022, 38, 317-347.	1.0	1
44	Meta-Analysis Comparing Right Ventricular Function as a Predictor of Mortality in Patients With Sepsis. American Journal of Cardiology, 2022, , .	0.7	0