

# Guillermo Gutierrez

## List of Publications by Citations

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**Version:** 2024-04-28

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26  
papers

1,590  
citations

14  
h-index

28  
g-index

28  
ext. papers

1,796  
ext. citations

7.1  
avg, IF

4.68  
L-index

#	Paper	IF	Citations
26	Gastric mucosal pH as a prognostic index of mortality in critically ill patients. <i>Critical Care Medicine</i> , <b>1991</b> , 19, 1037-40	1.4	437
25	Clinical review: hemorrhagic shock. <i>Critical Care</i> , <b>2004</b> , 8, 373-81	10.8	377
24	Comparison of gastric intramucosal pH with measures of oxygen transport and consumption in critically ill patients. <i>Critical Care Medicine</i> , <b>1992</b> , 20, 451-7	1.4	188
23	Lack of equivalence between central and mixed venous oxygen saturation. <i>Chest</i> , <b>2004</b> , 126, 1891-6	5.3	147
22	Oxygen supply and utilization relationships. A reevaluation. <i>The American Review of Respiratory Disease</i> , <b>1991</b> , 143, 675-9		74
21	A mathematical model of tissue-blood carbon dioxide exchange during hypoxia. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2004</b> , 169, 525-33	10.2	55
20	Pulmonary lactate release in patients with sepsis and the adult respiratory distress syndrome. <i>Journal of Critical Care</i> , <b>1996</b> , 11, 2-8	4	55
19	Artificial Intelligence in the Intensive Care Unit. <i>Critical Care</i> , <b>2020</b> , 24, 101	10.8	45
18	Respiratory rate variability in sleeping adults without obstructive sleep apnea. <i>Physiological Reports</i> , <b>2016</b> , 4, e12949	2.6	32
17	Automatic detection of patient-ventilator asynchrony by spectral analysis of airway flow. <i>Critical Care</i> , <b>2011</b> , 15, R167	10.8	31
16	Tonometry. A review of clinical studies. <i>Critical Care Clinics</i> , <b>1996</b> , 12, 1007-18	4.5	27
15	Central venous to mixed venous blood oxygen and lactate gradients are associated with outcome in critically ill patients. <i>Intensive Care Medicine</i> , <b>2008</b> , 34, 1662-8	14.5	24
14	Decreased respiratory rate variability during mechanical ventilation is associated with increased mortality. <i>Intensive Care Medicine</i> , <b>2013</b> , 39, 1359-67	14.5	20
13	Monitoring oxygen transport and tissue oxygenation. <i>Current Opinion in Anaesthesiology</i> , <b>2004</b> , 17, 107-119		16
12	The concentration of oxygen, lactate and glucose in the central veins, right heart, and pulmonary artery: a study in patients with pulmonary hypertension. <i>Critical Care</i> , <b>2007</b> , 11, R44	10.8	14
11	The riddle of hyperlactatemia. <i>Critical Care</i> , <b>2009</b> , 13, 176	10.8	13
10	Respiratory Inductance Plethysmography Improved Diagnostic Sensitivity and Specificity of Obstructive Sleep Apnea. <i>Respiratory Care</i> , <b>2016</b> , 61, 1033-7	2.1	12

9	Lactate concentration gradient from right atrium to pulmonary artery. <i>Critical Care</i> , <b>2005</b> , 9, R425-9	10.8	7
8	Blood flow, not hypoxia, determines intramucosal PCO <sub>2</sub> . <i>Critical Care</i> , <b>2005</b> , 9, 149-50	10.8	6
7	Of hemorrhagic shock, spherical cows and Aloe vera. <i>Critical Care</i> , <b>2004</b> , 8, 406-7	10.8	2
6	Central and Mixed Venous O Saturation. <i>Turkish Journal of Anaesthesiology and Reanimation</i> , <b>2020</b> , 48, 2-10	0.7	2
5	Work of breathing, not dysoxia, as the cause of low central venous blood O <sub>2</sub> saturation in sepsis. <i>Critical Care</i> , <b>2016</b> , 20, 291	10.8	2
4	The effect of race on long term mortality in mechanically ventilated patients. <i>Heart and Lung: Journal of Acute and Critical Care</i> , <b>2015</b> , 44, 321-6	2.6	1
3	Central and Mixed Venous O <sub>2</sub> Saturation: A Physiological Appraisal <b>2018</b> , 93-119		
2	ICU survival and the central to mixed venous oxygen difference. <i>Critical Care</i> , <b>2011</b> , 15, 436; author reply 436	10.8	
1	A 21-Year-Old Immunocompetent Man With Hemoptysis and Rash. <i>Chest</i> , <b>2020</b> , 158, e163-e168	5.3	