

Alejandro Bruhn

List of Publications by Year in descending order

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Version: 2024-02-01

67
papers

2,756
citations

159525

30
h-index

182361

51
g-index

72
all docs

72
docs citations

72
times ranked

2951
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of sublingual and gut mucosal microcirculation in sepsis: A quantitative analysis*. Critical Care Medicine, 2009, 37, 2875-2881.	0.4	216
2	Effects of Prone Positioning on Lung Protection in Patients with Acute Respiratory Distress Syndrome. American Journal of Respiratory and Critical Care Medicine, 2013, 188, 440-448.	2.5	185
3	Can venous-to-arterial carbon dioxide differences reflect microcirculatory alterations in patients with septic shock?. Intensive Care Medicine, 2016, 42, 211-221.	3.9	140
4	Effects of dobutamine on systemic, regional and microcirculatory perfusion parameters in septic shock: a randomized, placebo-controlled, double-blind, crossover study. Intensive Care Medicine, 2013, 39, 1435-1443.	3.9	129
5	Electrical impedance tomography in acute respiratory distress syndrome. Critical Care, 2018, 22, 263.	2.5	112
6	Combination of arterial lactate levels and venous-arterial CO2 to arterial-venous O2 content difference ratio as markers of resuscitation in patients with septic shock. Intensive Care Medicine, 2015, 41, 796-805.	3.9	109
7	When to stop septic shock resuscitation: clues from a dynamic perfusion monitoring. Annals of Intensive Care, 2014, 4, 30.	2.2	105
8	Evolution of peripheral vs metabolic perfusion parameters during septic shock resuscitation. A clinical-physiologic study. Journal of Critical Care, 2012, 27, 283-288.	1.0	98
9	Geo-economic variations in epidemiology, patterns of care, and outcomes in patients with acute respiratory distress syndrome: insights from the LUNG SAFE prospective cohort study. Lancet Respiratory Medicine, the, 2017, 5, 627-638.	5.2	93
10	Near-Apneic Ventilation Decreases Lung Injury and Fibroproliferation in an Acute Respiratory Distress Syndrome Model with Extracorporeal Membrane Oxygenation. American Journal of Respiratory and Critical Care Medicine, 2019, 199, 603-612.	2.5	82
11	Driving pressure: a marker of severity, a safety limit, or a goal for mechanical ventilation?. Critical Care, 2017, 21, 199.	2.5	81
12	Severe abnormalities in microvascular perfused vessel density are associated to organ dysfunctions and mortality and can be predicted by hyperlactatemia and norepinephrine requirements in septic shock patients. Journal of Critical Care, 2013, 28, 538.e9-538.e14.	1.0	72
13	Non-lobar atelectasis generates inflammation and structural alveolar injury in the surrounding healthy tissue during mechanical ventilation. Critical Care, 2014, 18, 505.	2.5	69
14	Persistent sepsis-induced hypotension without hyperlactatemia: Is it really septic shock?. Journal of Critical Care, 2011, 26, 435.e9-435.e14.	1.0	67
15	Intra-abdominal hypertension: Incidence and association with organ dysfunction during early septic shock. Journal of Critical Care, 2008, 23, 461-467.	1.0	66
16	The holistic view on perfusion monitoring in septic shock. Current Opinion in Critical Care, 2012, 18, 280-286.	1.6	64
17	Beneficial effects of alkaline phosphatase in septic shock. Critical Care Medicine, 2006, 34, 2182-2187.	0.4	62
18	Acute Hypercapnia Improves Indices of Tissue Oxygenation More than Dobutamine in Septic Shock. American Journal of Respiratory and Critical Care Medicine, 2008, 177, 178-183.	2.5	59

#	ARTICLE	IF	CITATIONS
19	Gastric tonometry versus cardiac index as resuscitation goals in septic shock: a multicenter, randomized, controlled trial. <i>Critical Care</i> , 2009, 13, R44.	2.5	48
20	Lung computed tomography during a lung recruitment maneuver in patients with acute lung injury. <i>Intensive Care Medicine</i> , 2003, 29, 218-225.	3.9	45
21	Persistent Sepsis-Induced Hypotension without Hyperlactatemia: A Distinct Clinical and Physiological Profile within the Spectrum of Septic Shock. <i>Critical Care Research and Practice</i> , 2012, 2012, 1-7.	0.4	45
22	Does Regional Lung Strain Correlate With Regional Inflammation in Acute Respiratory Distress Syndrome During Nonprotective Ventilation? An Experimental Porcine Study*. <i>Critical Care Medicine</i> , 2018, 46, e591-e599.	0.4	44
23	Impact of emergency intubation on central venous oxygen saturation in critically ill patients: a multicenter observational study. <i>Critical Care</i> , 2009, 13, R63.	2.5	43
24	Impairment of exogenous lactate clearance in experimental hyperdynamic septic shock is not related to total liver hypoperfusion. <i>Critical Care</i> , 2015, 19, 188.	2.5	42
25	Outcome of acute hypoxaemic respiratory failure: insights from the LUNG SAFE Study. <i>European Respiratory Journal</i> , 2021, 57, 2003317.	3.1	39
26	Lipoperoxidation and Protein Oxidative Damage Exhibit Different Kinetics During Septic Shock. <i>Mediators of Inflammation</i> , 2008, 2008, 1-8.	1.4	38
27	Effects of dexmedetomidine and esmolol on systemic hemodynamics and exogenous lactate clearance in early experimental septic shock. <i>Critical Care</i> , 2016, 20, 234.	2.5	38
28	Organizational Issues, Structure, and Processes of Care in 257 ICUs in Latin America. <i>Critical Care Medicine</i> , 2017, 45, 1325-1336.	0.4	36
29	Preliminary study of ventilation with 4 ml/kg tidal volume in acute respiratory distress syndrome: feasibility and effects on cyclic recruitment - derecruitment and hyperinflation. <i>Critical Care</i> , 2013, 17, R16.	2.5	35
30	Spatial patterns and frequency distributions of regional deformation in the healthy human lung. <i>Biomechanics and Modeling in Mechanobiology</i> , 2017, 16, 1413-1423.	1.4	34
31	Relationship of systemic, hepatosplanchnic, and microcirculatory perfusion parameters with 6-hour lactate clearance in hyperdynamic septic shock patients: an acute, clinical-physiological, pilot study. <i>Annals of Intensive Care</i> , 2012, 2, 44.	2.2	33
32	Improving the Accuracy of Registration-Based Biomechanical Analysis: A Finite Element Approach to Lung Regional Strain Quantification. <i>IEEE Transactions on Medical Imaging</i> , 2016, 35, 580-588.	5.4	32
33	Outcomes of Patients Presenting with Mild Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2019, 130, 263-283.	1.3	28
34	Sublingual microcirculatory changes during high volume hemofiltration in hyperdynamic septic shock patients. <i>Critical Care</i> , 2010, 14, R170.	2.5	27
35	Effects of dobutamine on intestinal microvascular blood flow heterogeneity and O_2 extraction during septic shock. <i>Journal of Applied Physiology</i> , 2017, 122, 1406-1417.	1.2	27
36	Influence of polymeric enteral nutrition supplemented with different doses of glutamine on gut permeability in critically ill patients. <i>Nutrition</i> , 2001, 17, 907-911.	1.1	25

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37	Management of septic shock with a norepinephrine-based haemodynamic algorithm. <i>Resuscitation</i> , 2005, 66, 63-69.	1.3	25
38	High <scp>PEEP</scp> levels are associated with overdistension and tidal recruitment/derecruitment in <scp>ARDS</scp> patients. <i>Acta Anaesthesiologica Scandinavica</i> , 2015, 59, 1161-1169.	0.7	22
39	High respiratory rate is associated with early reduction of lung edema clearance in an experimental model of <scp>ARDS</scp>. <i>Acta Anaesthesiologica Scandinavica</i> , 2016, 60, 79-92.	0.7	20
40	EFFECTS OF DEXAMETHASONE ON MACROPHAGE MIGRATION INHIBITORY FACTOR PRODUCTION IN SEPSIS. <i>Shock</i> , 2006, 26, 169-173.	1.0	18
41	Microcirculation in Sepsis: New Perspectives. <i>Current Vascular Pharmacology</i> , 2013, 11, 161-169.	0.8	17
42	Evaluation of Meropenem Pharmacokinetics in an Experimental Acute Respiratory Distress Syndrome (ARDS) Model during Extracorporeal Membrane Oxygenation (ECMO) by Using a PenP Î²-Lactamase Biosensor. <i>Sensors</i> , 2018, 18, 1424.	2.1	17
43	Clinical characteristics, systemic complications, and in-hospital outcomes for patients with COVID-19 in Latin America. LIVEN-Covid-19 study: A prospective, multicenter, multinational, cohort study. <i>PLoS ONE</i> , 2022, 17, e0265529.	1.1	16
44	Splanchnic ischemia and gut permeability after acute brain injury secondary to intracranial hemorrhage. <i>Neurocritical Care</i> , 2007, 7, 40-44.	1.2	13
45	Effects of positive end-expiratory pressure on gastric mucosal perfusion in acute respiratory distress syndrome. <i>Critical Care</i> , 2004, 8, R306.	2.5	12
46	Open lung approach ventilation abolishes the negative effects of respiratory rate in experimental lung injury. <i>Acta Anaesthesiologica Scandinavica</i> , 2016, 60, 1131-1141.	0.7	12
47	Implementation of a Norepinephrine-based Protocol for Management of Septic Shock: A Pilot Feasibility Study. <i>Journal of Trauma</i> , 2006, 60, 77-81.	2.3	10
48	Low Spontaneous Breathing Effort during Extracorporeal Membrane Oxygenation in a Porcine Model of Severe Acute Respiratory Distress Syndrome. <i>Anesthesiology</i> , 2020, 133, 1106-1117.	1.3	9
49	Estimation of changes in cyclic lung strain by electrical impedance tomography: Proof of concept study. <i>Acta Anaesthesiologica Scandinavica</i> , 2021, 65, 228-235.	0.7	8
50	Effect of positive end-expiratory pressure on lung injury and haemodynamics during experimental acute respiratory distress syndrome treated with extracorporeal membrane oxygenation and near-apnoeic ventilation. <i>British Journal of Anaesthesia</i> , 2021, 127, 807-814.	1.5	8
51	Microcirculation in Sepsis: New Perspectives. <i>Current Vascular Pharmacology</i> , 2013, 11, 161-169.	0.8	7
52	Extracorporeal membrane oxygenation improves survival in a novel 24-hour pig model of severe acute respiratory distress syndrome. <i>American Journal of Translational Research (discontinued)</i> , 2016, 8, 2826-37.	0.0	7
53	Pressão expiratória final positiva aumenta o estiramento em pacientes com LPA/SDRA. <i>Revista Brasileira De Terapia Intensiva</i> , 2012, 24, 43-51.	0.1	6
54	Early rise in central venous pressure during a spontaneous breathing trial: A promising test to identify patients at high risk of weaning failure?. <i>PLoS ONE</i> , 2019, 14, e0225181.	1.1	6

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55	Hantavirus cardiopulmonary syndrome successfully treated with high-volume hemofiltration. <i>Revista Brasileira De Terapia Intensiva</i> , 2016, 28, 190-4.	0.1	6
56	Positive end-expiratory pressure increases strain in patients with ALI/ARDS. <i>Revista Brasileira De Terapia Intensiva</i> , 2012, 24, 43-51.	0.1	5
57	Euglycemic Hyperinsulinemia in Severe Sepsis and Septic Shock. <i>European Surgical Research</i> , 2006, 38, 495-502.	0.6	4
58	Mortality of Adult Patients With Cancer Admitted to an Intensive Care Unit in Chile: A Prospective Cohort Study. <i>Journal of Global Oncology</i> , 2018, 4, 1-9.	0.5	4
59	Physiological and inflammatory consequences of high and low respiratory rate in acute respiratory distress syndrome. <i>Acta Anaesthesiologica Scandinavica</i> , 2021, 65, 1013-1022.	0.7	4
60	SUBLINGUAL MICROCIRCULATION REFLECTS INTESTINAL MUCOSAL MICROCIRCULATION IN SEPSIS: A QUANTITATIVE ANALYSIS.. <i>Critical Care Medicine</i> , 2005, 33, A51.	0.4	4
61	Correspondence Is Maximal Lung Recruitment Worth It?. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 174, 1159-1159.	2.5	2
62	THE BENEFICIAL EFFECTS OF THERAPEUTIC HYPERCAPNIA IN A CLINICALLY RELEVANT MODEL OF SEPTIC SHOCK.. <i>Critical Care Medicine</i> , 2005, 33, A132.	0.4	1
63	Acute lung injury secondary to hydrochloric acid instillation induces small airway hyperresponsiveness.. <i>American Journal of Translational Research (discontinued)</i> , 2021, 13, 12734-12741.	0.0	1
64	Mini-report: Microcirculatory flow abnormalities in a patient with severe hyperviscosity syndrome. <i>Clinical Hemorheology and Microcirculation</i> , 2013, 54, 33-38.	0.9	0
65	Reply to Shekar and Schmidt: Integrating Mechanical Ventilation and Extracorporeal Membrane Oxygenation in Severe Acute Respiratory Distress Syndrome. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 266-266.	2.5	0
66	Reply to Kredel et al.: Mechanical Ventilation during Extracorporeal Support: The Relevance of Vt. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 931-932.	2.5	0
67	PROTEIN C DEFICIENCY IN CRITICALLY ILL PATIENTS.. <i>Critical Care Medicine</i> , 2005, 33, A151.	0.4	0