

Ana Fernandez-Bustamante

List of Publications by Year in descending order

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Version: 2024-02-01

54
papers

2,505
citations

331670

21
h-index

223800

46
g-index

54
all docs

54
docs citations

54
times ranked

2837
citing authors

#	ARTICLE	IF	CITATIONS
1	Association between driving pressure and development of postoperative pulmonary complications in patients undergoing mechanical ventilation for general anaesthesia: a meta-analysis of individual patient data. <i>Lancet Respiratory Medicine</i> , 2016, 4, 272-280.	10.7	404
2	Postoperative Pulmonary Complications, Early Mortality, and Hospital Stay Following Noncardiothoracic Surgery. <i>JAMA Surgery</i> , 2017, 152, 157.	4.3	360
3	Incidence, Predictors, and Outcome of Difficult Mask Ventilation Combined with Difficult Laryngoscopy. <i>Anesthesiology</i> , 2013, 119, 1360-1369.	2.5	296
4	Protective versus Conventional Ventilation for Surgery. <i>Anesthesiology</i> , 2015, 123, 66-78.	2.5	291
5	Incidence of mortality and morbidity related to postoperative lung injury in patients who have undergone abdominal or thoracic surgery: a systematic review and meta-analysis. <i>Lancet Respiratory Medicine</i> , 2014, 2, 1007-1015.	10.7	203
6	Perioperative lung protective ventilation in obese patients. <i>BMC Anesthesiology</i> , 2015, 15, 56.	1.8	86
7	Intraoperative ventilation: incidence and risk factors for receiving large tidal volumes during general anesthesia. <i>BMC Anesthesiology</i> , 2011, 11, 22.	1.8	60
8	Multi-resolution convolutional neural networks for fully automated segmentation of acutely injured lungs in multiple species. <i>Medical Image Analysis</i> , 2020, 60, 101592.	11.6	55
9	Intraoperative Lung-Protective Ventilation Trends and Practice Patterns. <i>Anesthesia and Analgesia</i> , 2015, 121, 1231-1239.	2.2	53
10	Neostigmine Versus Sugammadex for Reversal of Neuromuscular Blockade and Effects on Reintubation for Respiratory Failure or Newly Initiated Noninvasive Ventilation: An Interrupted Time Series Design. <i>Anesthesia and Analgesia</i> , 2020, 131, 141-151.	2.2	53
11	Perioperative Pulmonary Atelectasis: Part II. Clinical Implications. <i>Anesthesiology</i> , 2022, 136, 206-236.	2.5	47
12	Early Effect of Tidal Volume on Lung Injury Biomarkers in Surgical Patients with Healthy Lungs. <i>Anesthesiology</i> , 2014, 121, 469-481.	2.5	46
13	High-frequency jet ventilation in interventional bronchoscopy: factors with predictive value on high-frequency jet ventilation complications. <i>Journal of Clinical Anesthesia</i> , 2006, 18, 349-356.	1.6	44
14	Preoperatively Screened Obstructive Sleep Apnea Is Associated With Worse Postoperative Outcomes Than Previously Diagnosed Obstructive Sleep Apnea. <i>Anesthesia and Analgesia</i> , 2017, 125, 593-602.	2.2	44
15	Long-term opioid use after inpatient surgery – A retrospective cohort study. <i>Drug and Alcohol Dependence</i> , 2018, 187, 61-65.	3.2	41
16	Temporal trends and current practice patterns for intraoperative ventilation at U.S. academic medical centers: a retrospective study. <i>BMC Anesthesiology</i> , 2015, 15, 40.	1.8	38
17	Redistribution of Pulmonary Blood Flow Impacts Thermodilution-based Extravascular Lung Water Measurements in a Model of Acute Lung Injury. <i>Anesthesiology</i> , 2009, 111, 1065-1074.	2.5	36
18	Disseminated intravascular coagulopathy in aortic aneurysms. <i>European Journal of Internal Medicine</i> , 2005, 16, 551-560.	2.2	31

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19	Mechanism of Hypoxemia in Acute Lung Injury Evaluated by Multidetector-Row CT. <i>Academic Radiology</i> , 2006, 13, 916-921.	2.5	30
20	Individualized PEEP to optimise respiratory mechanics during abdominal surgery: a pilot randomised controlled trial. <i>British Journal of Anaesthesia</i> , 2020, 125, 383-392.	3.4	26
21	Heated humidified high-flow nasal cannula oxygen after thoracic surgery – A randomized prospective clinical pilot trial. <i>Journal of Critical Care</i> , 2017, 40, 225-228.	2.2	24
22	Hypoxemia Within the First 3 Postoperative Days Is Associated With Increased 1-Year Postoperative Mortality After Adjusting for Perioperative Opioids and Other Confounders. <i>Anesthesia and Analgesia</i> , 2020, 131, 555-563.	2.2	22
23	Association between procalcitonin levels and duration of mechanical ventilation in COVID-19 patients. <i>PLoS ONE</i> , 2020, 15, e0239174.	2.5	21
24	Regional aeration and perfusion distribution in a sheep model of endotoxemic acute lung injury characterized by functional computed tomography imaging. <i>Critical Care Medicine</i> , 2009, 37, 2402-2411.	0.9	20
25	Transesophageal Echocardiography in Noncardiac Thoracic Surgery. <i>Anesthesiology Clinics</i> , 2012, 30, 657-669.	1.4	20
26	Gender differences in career development awards in United States™ anesthesiology and surgery departments, 2006–2016. <i>BMC Anesthesiology</i> , 2018, 18, 95.	1.8	19
27	Interaction between peri-operative blood transfusion, tidal volume, airway pressure and postoperative ARDS: an individual patient data meta-analysis. <i>Annals of Translational Medicine</i> , 2018, 6, 23-23.	1.7	17
28	Characteristics and Outcomes of Mechanically Ventilated COVID-19 Patients – An Observational Cohort Study. <i>Journal of Intensive Care Medicine</i> , 2021, 36, 271-276.	2.8	15
29	Totally endoscopic robot-assisted transmyocardial revascularization. <i>Journal of Thoracic and Cardiovascular Surgery</i> , 2005, 130, 120-124.	0.8	12
30	Opioid and non-opioid utilization at home following gastrointestinal procedures: a prospective cohort study. <i>Surgical Endoscopy and Other Interventional Techniques</i> , 2020, 34, 304-311.	2.4	12
31	Study Design Rigor in Animal-Experimental Research Published in Anesthesia Journals. <i>Anesthesia and Analgesia</i> , 2018, 126, 217-222.	2.2	11
32	Early Increase in Alveolar Macrophage Prostaglandin 15d-PGJ2 Precedes Neutrophil Recruitment into Lungs of Cytokine-Insufflated Rats. <i>Inflammation</i> , 2013, 36, 1030-1040.	3.8	9
33	Brief Glutamine Pretreatment Increases Alveolar Macrophage CD163/Heme Oxygenase-1/p38-MAPK Dephosphorylation Pathway and Decreases Capillary Damage but Not Neutrophil Recruitment in IL-1/LPS-Insufflated Rats. <i>PLoS ONE</i> , 2015, 10, e0130764.	2.5	9
34	Regional pulmonary inflammation in an endotoxemic ovine acute lung injury model. <i>Respiratory Physiology and Neurobiology</i> , 2012, 183, 149-158.	1.6	8
35	Chronic Inflammatory Diseases and the Acute Respiratory Distress Syndrome (ARDS). <i>Current Pharmaceutical Design</i> , 2014, 20, 1400-1408.	1.9	8
36	A Review of Intraoperative Goal-Directed Therapy Using Arterial Waveform Analysis for Assessment of Cardiac Output. <i>Scientific World Journal</i> , The, 2014, 2014, 1-8.	2.1	7

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37	Anaesthetic management in a case of a type IV laryngotracheo-oesophageal cleft. Paediatric Anaesthesia, 2003, 13, 270-273.	1.1	6
38	Postdischarge Pain Management After Thoracic Surgery: A Patient-Centered Approach. Annals of Thoracic Surgery, 2020, 110, 1714-1721.	1.3	6
39	Animal experimental research design in critical care. BMC Medical Research Methodology, 2018, 18, 71.	3.1	4
40	Postoperative pulmonary complications with adjuvant regional anesthesia versus general anesthesia alone: a sub-analysis of the Perioperative Research Network study. BMC Anesthesiology, 2022, 22, 136.	1.8	4
41	Early Effect of Tidal Volume on Lung Injury Biomarkers in Surgical Patients With Healthy Lungs. Survey of Anesthesiology, 2015, 59, 221-222.	0.1	1
42	Incentive Spirometry After Bariatric Surgery. JAMA Surgery, 2017, 152, 984.	4.3	1
43	The Increasing Call for Protective Ventilation During Anesthesia—Reply. JAMA Surgery, 2017, 152, 894.	4.3	1
44	Quick reference tidal volume cards reduce the incidence of large tidal volumes during surgery. Journal of Anesthesia, 2018, 32, 137-142.	1.7	1
45	The Aging Respiratory System: Strategies to Minimize Postoperative Pulmonary Complications. , 2018, , 179-196.		1
46	Opioid-Free Epidural-Free Anesthesia for Open Hepatectomy: A Case Report. A&A Practice, 2020, 14, e01238.	0.4	1
47	Association Between Anesthesia Delivered During Tumor Resection and Cancer Survival: a Systematic Review of a Mixed Picture with Constant Themes. Journal of Gastrointestinal Surgery, 2021, 25, 2129-2141.	1.7	1
48	In Reply. Anesthesiology, 2015, 122, 1181-1181.	2.5	0
49	Subtle but serious: Pulmonary support after cardiac surgery. Journal of Critical Care, 2015, 30, 1126.	2.2	0
50	In Response. Anesthesia and Analgesia, 2020, 131, e74-e75.	2.2	0
51	Intraoperative Positive End-expiratory Pressure for Obese Patients: A Step Forward, a Long Road Still Ahead. Anesthesiology, 2021, 134, 838-840.	2.5	0
52	In Response. Anesthesia and Analgesia, 2020, 131, e79-e80.	2.2	0
53	Assessing the Effect of Positive End-Expiratory Pressure on Postoperative Pulmonary Complications: The Devil Is in the Details. Anesthesia and Analgesia, 2021, 133, e70-e71.	2.2	0
54	Hypoxia and Hypercoagulability in COVID-19: Chicken or the Egg?. Anesthesiology, 2022, , .	2.5	0