

Carlos Ferrando

List of Publications by Year in descending order

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Version: 2024-02-01

85
papers

3,796
citations

201674

27
h-index

133252

59
g-index

98
all docs

98
docs citations

98
times ranked

5601
citing authors

#	ARTICLE	IF	CITATIONS
1	Dexamethasone treatment for the acute respiratory distress syndrome: a multicentre, randomised controlled trial. <i>Lancet Respiratory Medicine</i> , 2020, 8, 267-276.	10.7	789
2	Clinical features, ventilatory management, and outcome of ARDS caused by COVID-19 are similar to other causes of ARDS. <i>Intensive Care Medicine</i> , 2020, 46, 2200-2211.	8.2	295
3	Post-anaesthesia pulmonary complications after use of muscle relaxants (POPULAR): a multicentre, prospective observational study. <i>Lancet Respiratory Medicine</i> , 2019, 7, 129-140.	10.7	241
4	Association Between Use of Enhanced Recovery After Surgery Protocol and Postoperative Complications in Colorectal Surgery. <i>JAMA Surgery</i> , 2019, 154, 725.	4.3	227
5	Open Lung Approach for the Acute Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2016, 44, 32-42.	0.9	215
6	Individualised perioperative open-lung approach versus standard protective ventilation in abdominal surgery (iPROVE): a randomised controlled trial. <i>Lancet Respiratory Medicine</i> , 2018, 6, 193-203.	10.7	155
7	High-flow nasal oxygen in patients with COVID-19-associated acute respiratory failure. <i>Critical Care</i> , 2021, 25, 58.	5.8	138
8	Awake prone positioning does not reduce the risk of intubation in COVID-19 treated with high-flow nasal oxygen therapy: a multicenter, adjusted cohort study. <i>Critical Care</i> , 2020, 24, 597.	5.8	133
9	Setting Individualized Positive End-Expiratory Pressure Level with a Positive End-Expiratory Pressure Decrement Trial After a Recruitment Maneuver Improves Oxygenation and Lung Mechanics During One-Lung Ventilation. <i>Anesthesia and Analgesia</i> , 2014, 118, 657-665.	2.2	122
10	Características, evolución clínica y factores asociados a la mortalidad en UCI de los pacientes críticos infectados por SARS-CoV-2 en España: estudio prospectivo, de cohorte y multicéntrico. <i>Revista Española De Anestesiología Y Reanimación</i> , 2020, 67, 425-437.	0.3	104
11	A Quantile Analysis of Plateau and Driving Pressures: Effects on Mortality in Patients With Acute Respiratory Distress Syndrome Receiving Lung-Protective Ventilation*. <i>Critical Care Medicine</i> , 2017, 45, 843-850.	0.9	88
12	Age, Pao ₂ /Fio ₂ , and Plateau Pressure Score: A Proposal for a Simple Outcome Score in Patients With the Acute Respiratory Distress Syndrome*. <i>Critical Care Medicine</i> , 2016, 44, 1361-1369.	0.9	82
13	High D dimers and low global fibrinolysis coexist in COVID19 patients: what is going on in there?. <i>Journal of Thrombosis and Thrombolysis</i> , 2021, 51, 308-312.	2.1	80
14	Sevoflurane, but not propofol, reduces the lung inflammatory response and improves oxygenation in an acute respiratory distress syndrome model. <i>European Journal of Anaesthesiology</i> , 2013, 30, 455-463.	1.7	59
15	Early corticosteroids are associated with lower mortality in critically ill patients with COVID-19: a cohort study. <i>Critical Care</i> , 2021, 25, 2.	5.8	58
16	Dos terapias conocidas podrán ser efectivas como adyuvantes en el paciente crítico infectado por COVID-19. <i>Revista Española De Anestesiología Y Reanimación</i> , 2020, 67, 245-252.	0.3	55
17	Detailed stratified GWAS analysis for severe COVID-19 in four European populations. <i>Human Molecular Genetics</i> , 2022, 31, 3945-3966.	2.9	46
18	Open lung approach versus standard protective strategies: Effects on driving pressure and ventilatory efficiency during anesthesia - A pilot, randomized controlled trial. <i>PLoS ONE</i> , 2017, 12, e0177399.	2.5	45

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19	The Effects of an Open-Lung Approach During One-Lung Ventilation on Postoperative Pulmonary Complications and Driving Pressure: A Descriptive, Multicenter National Study. <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2018, 32, 2665-2672.	1.3	45
20	The hip fracture surgery in elderly patients (HIPELD) study to evaluate xenon anaesthesia for the prevention of postoperative delirium: a multicentre, randomized clinical trial. <i>British Journal of Anaesthesia</i> , 2018, 120, 127-137.	3.4	40
21	Evaluating the efficacy of dexamethasone in the treatment of patients with persistent acute respiratory distress syndrome: study protocol for a randomized controlled trial. <i>Trials</i> , 2016, 17, 342.	1.6	38
22	Predictors of failure with high-flow nasal oxygen therapy in COVID-19 patients with acute respiratory failure: a multicenter observational study. <i>Journal of Intensive Care</i> , 2021, 9, 23.	2.9	37
23	Rationale and study design for an individualized perioperative open lung ventilatory strategy (iPROVE): study protocol for a randomized controlled trial. <i>Trials</i> , 2015, 16, 193.	1.6	36
24	The accuracy of postoperative, non-invasive Air-Test to diagnose atelectasis in healthy patients after surgery: a prospective, diagnostic pilot study. <i>BMJ Open</i> , 2017, 7, e015560.	1.9	35
25	Anidulafungin dosing in critically ill patients with continuous venovenous haemodiafiltration. <i>Journal of Antimicrobial Chemotherapy</i> , 2014, 69, 1620-1623.	3.0	34
26	Neurally adjusted ventilatory assist in acute respiratory failure: a randomized controlled trial. <i>Intensive Care Medicine</i> , 2020, 46, 2327-2337.	8.2	33
27	WHO Needs High FIO2?. <i>Turkish Journal of Anaesthesiology and Reanimation</i> , 2017, 45, 181-192.	0.8	28
28	Effects of oxygen on post-surgical infections during an individualised perioperative open-lung ventilatory strategy: a randomised controlled trial. <i>British Journal of Anaesthesia</i> , 2020, 124, 110-120.	3.4	28
29	SARS-CoV-2â€“induced Acute Respiratory Distress Syndrome: Pulmonary Mechanics and Gas-Exchange Abnormalities. <i>Annals of the American Thoracic Society</i> , 2020, 17, 1164-1168.	3.2	28
30	Epidemiology of invasive candidiasis in a surgical intensive care unit: an observational study. <i>BMC Research Notes</i> , 2015, 8, 491.	1.4	27
31	Is Overall Mortality the Right Composite Endpoint in Clinical Trials of Acute Respiratory Distress Syndrome?*. <i>Critical Care Medicine</i> , 2018, 46, 892-899.	0.9	26
32	Protection strategies during cardiopulmonary bypass. <i>Current Opinion in Anaesthesiology</i> , 2015, 28, 73-80.	2.0	23
33	Characteristics and influence on quality of life of newâ€“onset pain in critical COVIDâ€“19 survivors. <i>European Journal of Pain</i> , 2022, 26, 680-694.	2.8	23
34	Individualized lung recruitment maneuver guided by pulseâ€“oximetry in anesthetized patients undergoing laparoscopy: a feasibility study. <i>Acta Anaesthesiologica Scandinavica</i> , 2018, 62, 608-619.	1.6	22
35	Intraoperative positive end-expiratory pressure and postoperative pulmonary complications: a patient-level meta-analysis of three randomised clinical trials. <i>British Journal of Anaesthesia</i> , 2022, 128, 1040-1051.	3.4	22
36	Adjusting tidal volume to stress index in an open lung condition optimizes ventilation and prevents overdistension in an experimental model of lung injury and reduced chest wall compliance. <i>Critical Care</i> , 2015, 19, 9.	5.8	20

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37	Rationale and Study Design for an Individualized Perioperative Open Lung Ventilatory Strategy in Patients on One-Lung Ventilation (iPROVE-OLV). <i>Journal of Cardiothoracic and Vascular Anesthesia</i> , 2019, 33, 2492-2502.	1.3	20
38	High-flow nasal cannula oxygenation reduces postoperative hypoxemia in morbidly obese patients: a randomized controlled trial. <i>Minerva Anestesiologica</i> , 2019, 85, 1062-1070.	1.0	19
39	Patient characteristics, clinical course and factors associated to ICU mortality in critically ill patients infected with SARS-CoV-2 in Spain: A prospective, cohort, multicentre study. <i>Revista Española De Anestesiología Y Reanimación (English Edition)</i> , 2020, 67, 425-437.	0.1	17
40	Major candidate variables to guide personalised treatment with steroids in critically ill patients with COVID-19: CIBERESUCICOID study. <i>Intensive Care Medicine</i> , 2022, 48, 850-864.	8.2	17
41	Postural lung recruitment assessed by lung ultrasound in mechanically ventilated children. <i>The Ultrasound Journal</i> , 2017, 9, 22.	2.0	16
42	Accuracy of an autocalibrated pulse contour analysis in cardiac surgery patients: a bi-center clinical trial. <i>BMC Anesthesiology</i> , 2015, 15, 171.	1.8	15
43	Association between use of enhanced recovery after surgery protocols and postoperative complications in colorectal surgery in Europe: The EuroPOWER international observational study. <i>Journal of Clinical Anesthesia</i> , 2022, 80, 110752.	1.6	15
44	Pharmacokinetics of anidulafungin during albumin dialysis. <i>Critical Care</i> , 2014, 18, 422.	5.8	11
45	Performance of the New Turbine Mid-Level Critical Care Ventilators. <i>Respiratory Care</i> , 2017, 62, 34-41.	1.6	11
46	A Prognostic Enrichment Strategy for Selection of Patients With Acute Respiratory Distress Syndrome in Clinical Trials. <i>Critical Care Medicine</i> , 2019, 47, 377-385.	0.9	11
47	Rationale and study design of an early care, therapeutic education, and psychological intervention program for the management of post-intensive care syndrome and chronic pain after COVID-19 infection (PAIN-COVID): study protocol for a randomized controlled trial. <i>Trials</i> , 2021, 22, 486.	1.6	11
48	Spontaneous recovery of neuromuscular blockade is an independent risk factor for postoperative pulmonary complications after abdominal surgery. <i>European Journal of Anaesthesiology</i> , 2020, 37, 203-211.	1.7	10
49	Comparison of the Laryngeal View during Tracheal Intubation Using Airtraq and Macintosh Laryngoscopes by Unskillful Anesthesiology Residents: A Clinical Study. <i>Anesthesiology Research and Practice</i> , 2011, 2011, 1-5.	0.7	9
50	A noninvasive postoperative clinical score to identify patients at risk for postoperative pulmonary complications: the Air-Test Score. <i>Minerva Anestesiologica</i> , 2020, 86, 404-415.	1.0	8
51	Rationale and study design for an individualised perioperative open-lung ventilatory strategy with a high versus conventional inspiratory oxygen fraction (iPROVE-O2) and its effects on surgical site infection: study protocol for a randomised controlled trial. <i>BMJ Open</i> , 2017, 7, e016765.	1.9	7
52	Intraoperative open lung condition and postoperative pulmonary complications. A secondary analysis of iPROVE and iPROVE+O2 trials. <i>Acta Anaesthesiologica Scandinavica</i> , 2022, 66, 30-39.	1.6	7
53	Reevaluación de los efectos de PEEP alta con maniobras de reclutamiento vs. PEEP baja sin maniobras de reclutamiento durante la anestesia general para cirugía: protocolo y plan de análisis estadístico para un metaanálisis de los datos de pacientes individuales de PROVILO, iPROVE y PROBESE. <i>Revista Española De Anestesiología Y Reanimación</i> , 2020, 67, 76-89.	0.3	7
54	Neurally adjusted ventilatory assist in patients with acute respiratory failure: study protocol for a randomized controlled trial. <i>Trials</i> , 2016, 17, 500.	1.6	6

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55	Multimodal non-invasive monitoring to apply an open lung approach strategy in morbidly obese patients during bariatric surgery. <i>Journal of Clinical Monitoring and Computing</i> , 2020, 34, 1015-1024.	1.6	6
56	Pathophysiology of respiratory failure. <i>Trends in Anaesthesia and Critical Care</i> , 2013, 3, 265-269.	0.9	4
57	Effects of different flow patterns and end-inspiratory pause on oxygenation and ventilation in newborn piglets: an experimental study. <i>BMC Anesthesiology</i> , 2014, 14, 96.	1.8	4
58	Assessing the Left Ventricular Systolic Function at the Bedside: The Role of Transpulmonary Thermodilution-Derived Indices. <i>Anesthesiology Research and Practice</i> , 2011, 2011, 1-4.	0.7	3
59	Extravascular Lung Water Does Not Increase in Hypovolemic Patients after a Fluid-Loading Protocol Guided by the Stroke Volume Variation. <i>Critical Care Research and Practice</i> , 2012, 2012, 1-7.	1.1	3
60	Personalized intraoperative positive end-expiratory pressure: a further step in protective ventilation. <i>Minerva Anestesiologica</i> , 2018, 84, 147-149.	1.0	3
61	PEEP titration guided by transpulmonary pressure: lessons from a negative trial. <i>Journal of Thoracic Disease</i> , 2019, 11, S1957-S1962.	1.4	3
62	Implementing a Rapid Response System in a tertiary-care hospital. A cost-effectiveness study. <i>Journal of Clinical Monitoring and Computing</i> , 2022, 36, 1263-1269.	1.6	3
63	The Effects of Flow Waveform on Oxygenation in Pediatric Patients. <i>Anesthesia and Analgesia</i> , 2015, 121, 1111.	2.2	2
64	Intraoperative Ventilation Strategies to Reduce Pulmonary Complications in Obese Patients. <i>JAMA - Journal of the American Medical Association</i> , 2019, 322, 1828.	7.4	2
65	Stroke units could be a valid alternative to intensive care units for patients with low-grade aneurysmal subarachnoid haemorrhage. <i>European Journal of Neurology</i> , 2021, 28, 500-508.	3.3	2
66	Ser o no ser. <i>Revista Española De Anestesiología Y Reanimación</i> , 2019, 66, 353-354.	0.3	2
67	Estudio de validación de los parámetros dinámicos de onda de pulso en cirugía de resección pulmonar. <i>Revista Española De Anestesiología Y Reanimación</i> , 2020, 67, 55-62.	0.3	2
68	Early procalcitonin to predict mortality in critically ill COVID-19 patients: a multicentric cohort study. <i>Minerva Anestesiologica</i> , 2022, , .	1.0	2
69	Mechanical ventilation in the operating room: Adjusting VT, PEEP, and FiO2. <i>Trends in Anaesthesia and Critical Care</i> , 2012, 2, 269-273.	0.9	1
70	Paraganglioma review: A clinical case. <i>Trends in Anaesthesia and Critical Care</i> , 2014, 4, 159-164.	0.9	1
71	Inverse Ratio Ventilation. <i>Critical Care Medicine</i> , 2015, 43, 724-725.	0.9	1
72	Perioperative hyperoxia: Myths and realities. <i>Revista Española De Anestesiología Y Reanimación (English Edition)</i> , 2018, 65, 183-187.	0.1	1

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73	Characteristics and Outcomes in Patients with Ventilator-Associated Pneumonia Who Do or Do Not Develop Acute Respiratory Distress Syndrome. An Observational Study. <i>Journal of Clinical Medicine</i> , 2020, 9, 3508.	2.4	1
74	The quest for the perfect Weaning Index. <i>Minerva Anestesiologica</i> , 2019, 85, 336-337.	1.0	1
75	Clinical guide to perioperative management for videothoracoscopy lung resection (Section of) Tj ETQq1 1 0.784314 rgBT /Overlock 1	0.1	1
76	In Response. <i>Anesthesia and Analgesia</i> , 2014, 119, 1222-1223.	2.2	0
77	New frontiers: art and innovation for intraoperative ventilatory management. <i>Minerva Anestesiologica</i> , 2017, 83, 1007-1009.	1.0	0
78	Managing Persistent Hypoxemia: what is new?. <i>F1000Research</i> , 2017, 6, 1993.	1.6	0
79	Hiperoxia perioperatoria: mitos y realidades. <i>Revista Española De Anestesiología Y Reanimación</i> , 2018, 65, 183-187.	0.3	0
80	Re-evaluation of the effects of high PEEP with recruitment manoeuvres versus low PEEP without recruitment manoeuvres during general anaesthesia for surgery – Protocol and statistical analysis plan for an individual patient data meta-analysis of PROVHILO, iPROVE and PROBESE. <i>Revista Española De Anestesiología Y Reanimación (English Edition)</i> , 2020, 67, 76-89.	0.1	0
81	Variation in Extravascular Lung Water in ALI/ARDS Patients using Open Lung Strategy. , 2009, , 424-432.		0
82	Big data techniques for the secondary use of clinical data in the generation of medical knowledge. The MIMIC solution. <i>Revista Española De Anestesiología Y Reanimación</i> , 2019, 66, 555-558.	0.3	0
83	Publicación en la Revista Española de Anestesiología y Reanimación de protocolos de estudios. <i>Revista Española De Anestesiología Y Reanimación</i> , 2020, 67, 361-363.	0.3	0
84	Changes in Ventilation Strategies During Thoracic Surgery: Do We Have to Focus –Only– in Oxygenation?. , 2020, , 153-164.		0
85	Preliminary Analysis of Biotrauma and Organ Dysfunction Caused by Driving Pressure, Mechanical Power and Other Ventilator-Induced Lung Injury Parameters. , 2022, , .		0