

Lucia Mirabella

List of Publications by Year in descending order

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42
papers

1,838
citations

331670

21
h-index

265206

42
g-index

43
all docs

43
docs citations

43
times ranked

2417
citing authors

#	ARTICLE	IF	CITATIONS
1	Patient-ventilator interaction and sleep in mechanically ventilated patients: Pressure support versus proportional assist ventilation*. Critical Care Medicine, 2007, 35, 1048-1054.	0.9	262
2	Impact of prolonged assisted ventilation on diaphragmatic efficiency: NAVA versus PSV. Critical Care, 2015, 20, 1.	5.8	208
3	Patient-Ventilator Interaction During Neurally Adjusted Ventilatory Assist in Low Birth Weight Infants. Pediatric Research, 2009, 65, 663-668.	2.3	195
4	Prone position in intubated, mechanically ventilated patients with COVID-19: a multi-centric study of more than 1000 patients. Critical Care, 2021, 25, 128.	5.8	157
5	Effects of Recruitment Maneuver and Positive End-expiratory Pressure on Respiratory Mechanics and Transpulmonary Pressure during Laparoscopic Surgery. Anesthesiology, 2013, 118, 114-122.	2.5	102
6	Fontan hemodynamics from 100 patient-specific cardiac magnetic resonance studies: A computational fluid dynamics analysis. Journal of Thoracic and Cardiovascular Surgery, 2014, 148, 1481-1489.	0.8	86
7	Oral L-Citrulline Supplementation Improves Erection Hardness in Men With Mild Erectile Dysfunction. Urology, 2011, 77, 119-122.	1.0	78
8	Physiological Effects of the Open Lung Approach in Patients with Early, Mild, Diffuse Acute Respiratory Distress Syndrome. Anesthesiology, 2015, 123, 1113-1121.	2.5	67
9	Geometric Characterization of Patient-Specific Total Cavopulmonary Connections and its Relationship to Hemodynamics. JACC: Cardiovascular Imaging, 2014, 7, 215-224.	5.3	59
10	Propofol but not sevoflurane prevents mitochondrial dysfunction and oxidative stress by limiting HIF-1 α activation in hepatic ischemia/reperfusion injury. Free Radical Biology and Medicine, 2016, 96, 323-333.	2.9	56
11	Effect of Fontan geometry on exercise haemodynamics and its potential implications. Heart, 2017, 103, 1806-1812.	2.9	46
12	Multi-material thermomechanical topology optimization with applications to additive manufacturing: Design of main composite part and its support structure. Computer Methods in Applied Mechanics and Engineering, 2020, 363, 112812.	6.6	42
13	Comparison Between Doppler-Echocardiography and Uncalibrated Pulse Contour Method for Cardiac Output Measurement: A Multicenter Observational Study*. Critical Care Medicine, 2016, 44, 1370-1379.	0.9	41
14	LPS removal reduces CD80-mediated albuminuria in critically ill patients with Gram-negative sepsis. American Journal of Physiology - Renal Physiology, 2019, 316, F723-F731.	2.7	35
15	Respiratory System Mechanics During Low Versus High Positive End-Expiratory Pressure in Open Abdominal Surgery. Anesthesia and Analgesia, 2018, 126, 143-149.	2.2	28
16	Effects of Positive End-Expiratory Pressure in "High Compliance" Severe Acute Respiratory Syndrome Coronavirus 2 Acute Respiratory Distress Syndrome*. Critical Care Medicine, 2020, 48, e1332-e1336.	0.9	27
17	Assessment of patient's ventilator breath contribution during neurally adjusted ventilatory assist. Intensive Care Medicine, 2012, 38, 1224-1232.	8.2	26
18	Counseling, quality of life, and acute postoperative pain in elderly patients with hip fracture. Journal of Multidisciplinary Healthcare, 2013, 6, 335.	2.7	25

#	ARTICLE	IF	CITATIONS
19	Effects of closed-loop intravenous anesthesia guided by Bispectral Index in adult patients on emergence delirium: a randomized controlled study. <i>Minerva Anestesiologica</i> , 2018, 84, 437-446.	1.0	25
20	Computational simulations of flow dynamics and blood damage through a bileaflet mechanical heart valve scaled to pediatric size and flow. <i>Journal of Biomechanics</i> , 2014, 47, 3169-3177.	2.1	23
21	Peep titration based on the open lung approach during one lung ventilation in thoracic surgery: a physiological study. <i>BMC Anesthesiology</i> , 2018, 18, 156.	1.8	22
22	Cardiovascular magnetic resonance compatible physical model of the left ventricle for multi-modality characterization of wall motion and hemodynamics. <i>Journal of Cardiovascular Magnetic Resonance</i> , 2015, 17, 51.	3.3	20
23	Treatment planning for a TCPC test case: A numerical investigation under rigid and moving wall assumptions. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2013, 29, 197-216.	2.1	19
24	Physiological effects of the open lung approach during laparoscopic cholecystectomy: focus on driving pressure. <i>Minerva Anestesiologica</i> , 2018, 84, 159-167.	1.0	18
25	Patient-Ventilator Asynchronies: Clinical Implications and Practical Solutions. <i>Respiratory Care</i> , 2020, 65, 1751-1766.	1.6	18
26	Time course of risk factors associated with mortality of 1260 critically ill patients with COVID-19 admitted to 24 Italian intensive care units. <i>Intensive Care Medicine</i> , 2021, 47, 995-1008.	8.2	16
27	Reference values for coagulation assessment in full-term newborns. <i>Minerva Anestesiologica</i> , 2017, 83, 369-374.	1.0	15
28	Clinical standards for patient blood management and perioperative hemostasis and coagulation management. Position Paper of the Italian Society of Anesthesia, Analgesia, Resuscitation and Intensive Care (SIAARTI). <i>Minerva Anestesiologica</i> , 2019, 85, 635-664.	1.0	14
29	Lung protection during non-invasive synchronized assist versus volume control in rabbits. <i>Critical Care</i> , 2014, 18, R22.	5.8	13
30	The effect of respiration-driven flow waveforms on hemodynamic metrics used in Fontan surgical planning. <i>Journal of Biomechanics</i> , 2019, 82, 87-95.	2.1	13
31	SARS-COV-2 Serological Profile in Healthcare Professionals of a Southern Italy Hospital. <i>International Journal of Environmental Research and Public Health</i> , 2020, 17, 9324.	2.6	12
32	A Pilot Study on Electrical Impedance Tomography During CPAP Trial in Patients With Severe Acute Respiratory Syndrome Coronavirus 2 Pneumonia: The Bright Side of Non-invasive Ventilation. <i>Frontiers in Physiology</i> , 2021, 12, 728243.	2.8	12
33	MRI-based Protocol to Characterize the Relationship Between Bicuspid Aortic Valve Morphology and Hemodynamics. <i>Annals of Biomedical Engineering</i> , 2015, 43, 1815-1827.	2.5	11
34	Management of Intraoperative Mechanical Ventilation to Prevent Postoperative Complications after General Anesthesia: A Narrative Review. <i>Journal of Clinical Medicine</i> , 2021, 10, 2656.	2.4	9
35	Use of low-molecular weight heparin, transfusion and mortality in COVID-19 patients not requiring ventilation. <i>Journal of Thrombosis and Thrombolysis</i> , 2021, 52, 772-778.	2.1	8
36	SARS-CoV-2 pneumonia successfully treated with cpap and cycles of tripod position: a case report. <i>BMC Anesthesiology</i> , 2021, 21, 9.	1.8	7

#	ARTICLE	IF	CITATIONS
37	Circulating stem cells, HIF-1, and SDF-1 in septic abdominal surgical patients: randomized controlled study protocol. <i>Trials</i> , 2018, 19, 179.	1.6	6
38	Mortality and Transfusion Requirements in COVID-19 Hospitalized Italian Patients According to Severity of the Disease. <i>Journal of Clinical Medicine</i> , 2021, 10, 242.	2.4	6
39	A Lower Global Lung Ultrasound Score Is Associated with Higher Likelihood of Successful Extubation in Invasively Ventilated COVID-19 Patients. <i>American Journal of Tropical Medicine and Hygiene</i> , 2021, 105, 1490-1497.	1.4	6
40	Acute abdomen as a consequence of an unusual suicide attempt: intra-abdominal injection of sulfuric acid. <i>International Medical Case Reports Journal</i> , 2016, Volume 9, 353-356.	0.8	2
41	Impact of CT Scan Phenotypes in Clinical Manifestations, Management and Outcomes of Hospitalised Patients With COVID-19. <i>Archivos De Bronconeumologia</i> , 2022, 58, 63-65.	0.8	2
42	Intratidal Analysis of Intraoperative Respiratory System Mechanics. <i>Anesthesia and Analgesia</i> , 2018, 126, 725-726.	2.2	0