

# Chiara Veneroni

## List of Publications by Year in descending order

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31  
papers

319  
citations

1162889

8  
h-index

887953

17  
g-index

31  
all docs

31  
docs citations

31  
times ranked

374  
citing authors

#	ARTICLE	IF	CITATIONS
1	Respiratory mechanics during NCPAP and HHHFNC at equal distending pressures. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2014, 99, F315-F320.	1.4	73
2	Heated, Humidified High-Flow Nasal Cannula vs Nasal Continuous Positive Airway Pressure for Respiratory Distress Syndrome of Prematurity. JAMA Pediatrics, 2016, , .	3.3	55
3	Trends in mechanical ventilation: are we ventilating our patients in the best possible way?. Breathe, 2017, 13, 84-98.	0.6	49
4	Oscillatory respiratory mechanics on the first day of life improves prediction of respiratory outcomes in extremely preterm newborns. Pediatric Research, 2019, 85, 312-317.	1.1	24
5	Notice of Duplicate Publication: Heated, Humidified High-Flow Nasal Cannula vs Nasal Continuous Positive Airway Pressure for Respiratory Distress Syndrome of Prematurity: A Randomized Clinical Noninferiority Trial (JAMA Pediatr. doi: 10.1001/jamapediatrics.2016.1243 ). JAMA Pediatrics, 2016, 170, 1228.	3.3	14
6	Forced oscillation technique for optimising PEEP in ventilated extremely preterm infants. European Respiratory Journal, 2020, 55, 1901650.	3.1	12
7	Role of Lung Function Monitoring by the Forced Oscillation Technique for Tailoring Ventilation and Weaning in Neonatal ECMO: New Insights From a Case Report. Frontiers in Pediatrics, 2018, 6, 332.	0.9	10
8	Respiratory mechanics during initial lung aeration at birth in the preterm lamb. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2020, 318, L525-L532.	1.3	10
9	Oscillatory mechanics at birth for identifying infants requiring surfactant: a prospective, observational trial. Respiratory Research, 2021, 22, 314.	1.4	10
10	Changes in respiratory mechanics at birth in preterm infants: A pilot study. Pediatric Pulmonology, 2020, 55, 1640-1645.	1.0	8
11	Effect of continuous positive airway pressure on breathing variability in early preterm lung disease. Pediatric Pulmonology, 2018, 53, 755-761.	1.0	7
12	Accuracy of oscillatory pressure measured by mechanical ventilators during high frequency oscillatory ventilation in newborns. Pediatric Pulmonology, 2018, 53, 901-906.	1.0	5
13	Non-invasive measurements of respiratory system mechanical properties by the forced oscillation technique in spontaneously breathing, mixed-breed, normal term lambs from birth to five months of age. Physiological Measurement, 2019, 40, 105007.	1.2	5
14	Accuracy of volume and pressure delivery by mechanical ventilators in use in neonatal intensive care units: A quality control study. Pediatric Pulmonology, 2020, 55, 1955-1962.	1.0	5
15	Contactless Monitoring of Breathing Pattern and Thoracoabdominal Asynchronies in Preterm Infants Using Depth Cameras: A Feasibility Study. IEEE Journal of Translational Engineering in Health and Medicine, 2022, 10, 1-8.	2.2	5
16	Closing volume detection by single-breath gas washout and forced oscillation technique. Journal of Applied Physiology, 2021, 130, 903-913.	1.2	4
17	Monitoring respiratory mechanics by oscillometry in COVID-19 patients receiving non-invasive respiratory support. PLoS ONE, 2022, 17, e0265202.	1.1	4
18	Bacterial and viral filters to limit the spread of aerosolized respiratory pathogens during neonatal respiratory support in a pandemic era. Pediatric Research, 2021, 89, 1322-1325.	1.1	3

#	ARTICLE	IF	CITATIONS
19	Artificial intelligence for quality control of oscillometry measures. Computers in Biology and Medicine, 2021, 138, 104871.	3.9	3
20	Self-reported exercise-induced dyspnea and airways obstruction assessed by oscillometry and spirometry in adolescents. Pediatric Allergy and Immunology, 2022, 33, e13702.	1.1	3
21	An Implantable Electronic Device for Monitoring Fetal Lung Pressure in a Lamb Model of Congenital Diaphragmatic Hernia. IEEE Transactions on Instrumentation and Measurement, 2022, 71, 1-10.	2.4	3
22	Regional distribution of chest wall displacements in infants during high-frequency ventilation. Journal of Applied Physiology, 2019, 126, 928-933.	1.2	2
23	A new FOT set-up for the assessment of respiratory system mechanics in mechanically ventilated infants. , 2010, , .		1
24	Early extubation to noninvasive respiratory support of former preterm lambs improves long-term respiratory outcomes. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2021, 321, L248-L262.	1.3	1
25	Lung mechanics, airway reactivity, and muscularization are altered in former mechanically ventilated preterm lambs. , 2018, , .		1
26	Effects of sustained lung inflation (SLI) at birth on lung aeration during non-invasive resuscitation of preterm lambs. , 2018, , .		1
27	Respiratory reactance (Xrs) by Forced Oscillation Technique (FOT) during the first 24h of life in non-intubated preterm infants. , 2019, , .		1
28	SBW and FOT in healthy and asthmatics pre and post bronchial challenge. , 2016, , .		0
29	Postnatal steroids in preterm lambs: long term impact on lung mechanics and respiratory control. , 2017, , .		0
30	Accuracy of flow and pressure parameters delivered by mechanical ventilators in use in neonatal intensive care unit (NICU): a quality control study. , 2017, , .		0
31	Changes in respiratory oscillatory mechanics of spontaneously breathing preterm infants receiving CPAP over the first day of life. , 2017, , .		0