Raffaele Dellaca'

List of Publications by Year
in descending order

172 papers	4,035 citations	136885 32 h-index	138417 58 g-index

172 all docs	172 docs citations	172 times ranked	2654 citing authors

#	Article	IF	Citations
1	Optoelectronic Plethysmography in Intensive Care Patients. American Journal of Respiratory and Critical Care Medicine, 2000, 161, 1546-1552.	2.5	397
2	Technical standards for respiratory oscillometry. European Respiratory Journal, 2020, 55, 1900753.	3.1	311
3	Detection of expiratory flow limitation in COPD using the forced oscillation technique. European Respiratory Journal, 2004, 23, 232-240.	3.1	285
4	Regional chest wall volumes during exercise in chronic obstructive pulmonary disease. Thorax, 2004, 59, 210-216.	2.7	171
5	Compartmental Analysis of Breathing in the Supine and Prone Positions by Optoelectronic Plethysmography. Annals of Biomedical Engineering, 2001, 29, 60-70.	1.3	150
6	Telemonitoring in Chronic Obstructive Pulmonary Disease (CHROMED). A Randomized Clinical Trial. American Journal of Respiratory and Critical Care Medicine, 2018, 198, 620-628.	2.5	112
7	Expiratory flow limitation detected by forced oscillation and negative expiratory pressure. European Respiratory Journal, 2006, 29, 363-374.	3.1	105
8	Oscillation Mechanics of the Respiratory System: Applications to Lung Disease. Critical Reviews in Biomedical Engineering, 2011, 39, 337-359.	0.5	100
9	Determinants of exercise performance in normal men with externally imposed expiratory flow limitation. Journal of Applied Physiology, 2002, 92, 1943-1952.	1.2	99
10	Effect of bronchodilation on expiratory flow limitation and resting lung mechanics in COPD. European Respiratory Journal, 2009, 33, 1329-1337.	3.1	90
11	Effect of salbutamol on lung function and chest wall volumes at rest and during exercise in COPD. Thorax, 2005, 60, 916-924.	2.7	83
12	Noninvasive detection of expiratory flow limitation in COPD patients during nasal CPAP. European Respiratory Journal, 2006, 27, 983-991.	3.1	75
13	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
14	Lung recruitment assessed by total respiratory system input reactance. Intensive Care Medicine, 2009, 35, 2164-72.	3.9	66
15	Clinical significance and applications of oscillometry. European Respiratory Review, 2022, 31, 210208.	3.0	64
16	Chest wall kinematic determinants of diaphragm length by optoelectronic plethysmography and ultrasonography. Journal of Applied Physiology, 2003, 94, 621-630.	1.2	59
17	Gradual Aeration at Birth Is More Lung Protective Than a Sustained Inflation in Preterm Lambs. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 608-616.	2.5	53
18	Mechanical effects of obesity on airway responsiveness in otherwise healthy humans. Journal of Applied Physiology, 2009, 107, 408-416.	1.2	52

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19	Influence of expiratory flow-limitation during exercise on systemic oxygen delivery in humans. European Journal of Applied Physiology, 2005, 95, 229-242.	1.2	51
20	Measurement of Total and Compartmental Lung Volume Changes in Newborns by Optoelectronic Plethysmography. Pediatric Research, 2010, 67, 11-16.	1.1	51
21	Effects of rapid saline infusion on lung mechanics and airway responsiveness in humans. Journal of Applied Physiology, 2003, 95, 728-734.	1.2	49
22	Trends in mechanical ventilation: are we ventilating our patients in the best possible way?. Breathe, 2017, 13, 84-98.	0.6	49
23	The Abdominal Circulatory Pump. PLoS ONE, 2009, 4, e5550.	1.1	47
24	Estimation of end-expiratory lung volume variations by optoelectronic plethysmography. Critical Care Medicine, 2001, 29, 1807-1811.	0.4	45
25	Changes in the mechanical properties of the respiratory system during the development of interstitial lung edema. Respiratory Research, 2008, 9, 51.	1.4	43
26	An individualized approach to sustained inflation duration at birth improves outcomes in newborn preterm lambs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2015, 309, L1138-L1149.	1.3	43
27	Optimisation of positive end-expiratory pressure by forced oscillation technique in a lavage model of acute lung injury. Intensive Care Medicine, 2011, 37, 1021-30.	3.9	41
28	Ventilation heterogeneity in obesity. Journal of Applied Physiology, 2014, 116, 1175-1181.	1.2	39
29	Chest wall mechanics during pressure support ventilation. Critical Care, 2006, 10, R54.	2.5	38
30	Home monitoring of within-breath respiratory mechanics by a simple and automatic forced oscillation technique device. Physiological Measurement, 2010, 31, N11-N24.	1.2	38
31	Measurement of Local Chest Wall Displacement by a Custom Self-Mixing Laser Interferometer. IEEE Transactions on Instrumentation and Measurement, 2011, 60, 2894-2901.	2.4	37
32	Effectiveness of individualized lung recruitment strategies at birth: an experimental study in preterm lambs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2017, 312, L32-L41.	1.3	34
33	Optimal mean airway pressure during high-frequency oscillatory ventilation determined by measurement of respiratory system reactance. Pediatric Research, 2014, 75, 493-499.	1.1	33
34	Tracking variations in airway caliber by using total respiratory vs. airway resistance in healthy and asthmatic subjects. Journal of Applied Physiology, 2003, 95, 511-518.	1.2	32
35	Telemetric CPAP titration at home in patients with sleep apneaâ€“hypopnea syndrome. Sleep Medicine, 2011, 12, 153-157.	0.8	32
36	Airway responses to methacholine and exercise at high altitude in healthy lowlanders. Journal of Applied Physiology, 2010, 108, 256-265.	1.2	31

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37	Airway distensibility and volume recruitment with lung inflation in COPD. Journal of Applied Physiology, 2010, 109, 1019-1026.	1.2	30
38	Aerosol drug delivery to spontaneously-breathing preterm neonates: lessons learned. Respiratory Research, 2021, 22, 71.	1.4	29
39	Monitoring the Temporal Changes of Respiratory Resistance: A Novel Test for the Management of Asthma. American Journal of Respiratory and Critical Care Medicine, 2012, 185, 1330-1331.	2.5	28
40	Time to lung aeration during a sustained inflation at birth is influenced by gestation in lambs. Pediatric Research, 2017, 82, 712-720.	1.1	27
41	Respiratory and leg muscles perceived exertion during exercise at altitude. Respiratory Physiology and Neurobiology, 2011, 177, 162-168.	0.7	25
42	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
43	Day-to-day variability of forced oscillatory mechanics for early detection of acute exacerbations in COPD. European Respiratory Journal, 2020, 56, 1901739.	3.1	23
44	Relationship between respiratory impedance and positive end-expiratory pressure in mechanically ventilated neonates. Intensive Care Medicine, 2013, 39, 511-519.	3.9	22
45	Positive end-expiratory pressure optimization with forced oscillation technique reduces ventilator induced lung injury: a controlled experimental study in pigs with saline lavage lung injury. Critical Care, 2011, 15, R126.	2.5	21
46	Aeration strategy at birth influences the physiological response to surfactant in preterm lambs. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F587-F593.	1.4	21
47	Assessment of Dynamic Mechanical Properties of the Respiratory System During High-Frequency Oscillatory Ventilation*. Critical Care Medicine, 2013, 41, 2502-2511.	0.4	19
48	Optimizing positive end-expiratory pressure by oscillatory mechanics minimizes tidal recruitment and distension: an experimental study in a lavage model of lung injury. Critical Care, 2012, 16, R217.	2.5	18
49	Severity grading of chronic obstructive pulmonary disease: the confounding effect of phenotype and thoracic gas compression. Journal of Applied Physiology, 2015, 118, 796-802.	1.2	18
50	The association of tidal EFL with exercise performance, exacerbations, and death in COPD. International Journal of COPD, 2017, Volume 12, 2179-2188.	0.9	18
51	Effect of frequency on pressure cost of ventilation and gas exchange in newborns receiving high-frequency oscillatory ventilation. Pediatric Research, 2017, 82, 994-999.	1.1	17
52	Correlated Variability in the Breathing Pattern and End-Expiratory Lung Volumes in Conscious Humans. PLoS ONE, 2015, 10, e0116317.	1.1	17
53	Short-term variability in respiratory impedance and effect of deep breath in asthmatic and healthy subjects with airway smooth muscle activation and unloading. Journal of Applied Physiology, 2013, 115, 708-715.	1.2	16
54	Intratracheal atomized surfactant provides similar outcomes as bolus surfactant in preterm lambs with respiratory distress syndrome. Pediatric Research, 2016, 80, 92-100.	1.1	16

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55	Tidal Breathing Measurements in Former Preterm Infants: AÂRetrospective Longitudinal Study. Journal of Pediatrics, 2021, 230, 112-118.e4.	0.9	16
56	Transfer Impedance of the Respiratory System by Forced Oscillation Technique and Optoelectronic Plethysmography. Annals of Biomedical Engineering, 2001, 29, 71-82.	1.3	15
57	CHRONIOUS: A wearable system for the management of chronic disease patients. , 2009, , .		15
58	Positional effects on lung mechanics of ventilated preterm infants with acute and chronic lung disease. Pediatric Pulmonology, 2015, 50, 798-804.	1.0	15
59	Toward Predicting Individual Risk in Asthma Using Daily Home Monitoring of Resistance. American Journal of Respiratory and Critical Care Medicine, 2017, 195, 265-267.	2.5	15
60	Forced oscillation measurements in the first week of life and pulmonary outcome in very preterm infants on noninvasive respiratory support. Pediatric Research, 2019, 86, 382-388.	1.1	15
61	A New Telemedicine System for the Home Monitoring of Lung Function in Patients with Obstructive Respiratory Diseases. , 2009, , .		14
62	Airway hyperresponsiveness with chest strapping: A matter of heterogeneity or reduced lung volume?. Respiratory Physiology and Neurobiology, 2009, 166, 47-53.	0.7	14
63	Pulmonary kinetics at the onset of exercise is faster when actual changes in alveolar O2 stores are considered. Respiratory Physiology and Neurobiology, 2009, 169, 78-82.	0.7	14
64	A Novel Simple Internet-Based System for Real Time Monitoring and Optimizing Home Mechanical Ventilation. , 2009, , .		14
65	Comparison of a Visual Analogue Scale and Lake Louise Symptom Scores for Acute Mountain Sickness. High Altitude Medicine and Biology, 2010, 11, 69-72.	0.5	14
66	Relationship between Mean Airways Pressure, Lung Mechanics, and Right Ventricular Output during High-Frequency Oscillatory Ventilation in Infants. Journal of Pediatrics, 2017, 180, 110-115.	0.9	14
67	Detection of Expiratory Flow Limitation by Forced Oscillations during Noninvasive Ventilation. American Journal of Respiratory and Critical Care Medicine, 2019, 200, 1063-1065.	2.5	14
68	Plasma proteomics reveals gestational age-specific responses to mechanical ventilation and identifies the mechanistic pathways that initiate preterm lung injury. Scientific Reports, 2018, 8, 12616.	1.6	13
69	Autotitrating external positive end-expiratory airway pressure to abolish expiratory flow limitation during tidal breathing in patients with severe COPD: a physiological study. European Respiratory Journal, 2020, 56, 1902234.	3.1	13
70	Breathing Induced by Abdominal Muscle Stimulation in Individuals Without Spontaneous Ventilation. Neuromodulation, 2002, 5, 180-185.	0.4	12
71	Actual performance of mechanical ventilators in ICU: a multicentric quality control study. Medical Devices: Evidence and Research, 2012, 5, 111.	0.4	12
72	Decision Making Concepts for the Remote, Personalized Evaluation of COPD Patientsâ€™ Health Status. Methods of Information in Medicine, 2015, 54, 240-247.	0.7	12

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73	Supraglottic Atomization of Surfactant in Spontaneously Breathing Lambs Receiving Continuous Positive Airway Pressure. Pediatric Critical Care Medicine, 2017, 18, e428-e434.	0.2	12
74	An injectable, degradable hydrogel plug for tracheal occlusion in congenital diaphragmatic hernia (CDH). Materials Science and Engineering C, 2019, 99, 430-439.	3.8	12
75	Forced oscillation technique for optimising PEEP in ventilated extremely preterm infants. European Respiratory Journal, 2020, 55, 1901650.	3.1	12
76	Spatial Distribution of Human Respiratory System Transfer Impedance. Annals of Biomedical Engineering, 2003, 31, 121-131.	1.3	11
77	Effects of posture and bronchoconstriction on low-frequency input and transfer impedances in humans. Journal of Applied Physiology, 2004, 97, 109-118.	1.2	11
78	Respiratory impedance during weaning from mechanical ventilation in a mixed population of critically ill patients. British Journal of Anaesthesia, 2009, 103, 828-832.	1.5	11
79	Mechanical correlates of dyspnea in bronchial asthma. Physiological Reports, 2013, 1, e00166.	0.7	10
80	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
81	Withinâ€breath changes in respiratory system impedance in children with cystic fibrosis. Pediatric Pulmonology, 2019, 54, 737-742.	1.0	10
82	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
83	An Experimental Apparatus for E-Nose Breath Analysis in Respiratory Failure Patients. Diagnostics, 2022, 12, 776.	1.3	10
84	Oscillatory mechanics at birth for identifying infants requiring surfactant: a prospective, observational trial. Respiratory Research, 2021, 22, 314.	1.4	10
85	Automatic tailoring of the lowest PEEP to abolish tidal expiratory flow limitation in seated and supine COPD patients. Respiratory Medicine, 2019, 155, 13-18.	1.3	9
86	Parasympathetic Stimuli on Bronchial and Cardiovascular Systems in Humans. PLoS ONE, 2015, 10, e0127697.	1.1	9
87	Effect of changing the gravity vector on respiratory output and control. Journal of Applied Physiology, 2004, 97, 1219-1226.	1.2	8
88	Effect of nocturnal EPAP titration to abolish tidal expiratory flow limitation in COPD patients with chronic hypercapnia: a randomized, cross-over pilot study. Respiratory Research, 2020, 21, 301.	1.4	8
89	Changes in respiratory mechanics at birth in preterm infants: A pilot study. Pediatric Pulmonology, 2020, 55, 1640-1645.	1.0	8
90	Within-Breath Oscillatory Mechanics in Horses Affected by Severe Equine Asthma in Exacerbation and in Remission of the Disease. Animals, 2022, 12, 4.	1.0	8

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91	Functional Evaluation and Rehabilitation Engineering. IEEE Pulse, 2011, 2, 24-34.	0.1	7
92	Effect of continuous positive airway pressure on breathing variability in early preterm lung disease. Pediatric Pulmonology, 2018, 53, 755-761.	1.0	7
93	A novel delivery system for supraglottic atomization allows increased lung deposition rates of pulmonary surfactant in newborn piglets. Pediatric Research, 2020, 87, 1019-1024.	1.1	7
94	Technical standards for respiratory oscillometry: test loads for calibration and verification. European Respiratory Journal, 2020, 56, 2003369.	3.1	7
95	Airway distensibility with lung inflation after allogeneic haematopoietic stem-cell transplantation. Respiratory Physiology and Neurobiology, 2012, 184, 80-85.	0.7	6
96	An open, ubiquitous and adaptive chronic disease management platform. , 2009, , .		5
97	Accuracy of oscillatory pressure measured by mechanical ventilators during high frequency oscillatory ventilation in newborns. Pediatric Pulmonology, 2018, 53, 901-906.	1.0	5
98	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
99	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
100	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
101	Effect of stimulating waveform and of data processing on respiratory impedance measurement. Physiological Measurement, 2020, 41, 055005.	1.2	4
102	Closing volume detection by single-breath gas washout and forced oscillation technique. Journal of Applied Physiology, 2021, 130, 903-913.	1.2	4
103	Effects of Air Stacking on Dyspnea and Lung Function in Neuromuscular Diseases. Archives of Physical Medicine and Rehabilitation, 2021, 102, 1562-1567.	0.5	4
104	Assessment of bronchodilator response by forced oscillation technique in a preterm infant with evolving bronchopulmonary dysplasia: A case report. Pediatric Pulmonology, 2022, 57, 1092-1095.	1.0	4
105	Oscillatory mechanics at 36â€...weeks post-menstrual age as markers of lung disease in preterm infants: a cohort study. European Respiratory Journal, 2022, 59, 2103023.	3.1	4
106	Monitoring of respiratory resistance in the diagnosis of mild intermittent asthma. Clinical and Experimental Allergy, 2019, 49, 921-923.	1.4	3
107	Bacterialâ€“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
108	An Automated Approach for General Movement Assessment: A Pilot Study. Frontiers in Pediatrics, 2021, 9, 720502.	0.9	3

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109	Artificial intelligence for quality control of oscillometry measures. Computers in Biology and Medicine, 2021, 138, 104871.	3.9	3
110	Selfâ€reported exerciseâ€induced dyspnea and airways obstruction assessed by oscillometry and spirometry in adolescents. Pediatric Allergy and Immunology, 2022, 33, e13702.	1.1	3
111	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
112	A portable fan-based device for evaluating lung function in horses by the forced oscillation technique. Physiological Measurement, 2022, 43, 025001.	1.2	3
113	Redundant System of Passive Markers for Ultrasound Scanhead Tracking. IEEE Transactions on Biomedical Engineering, 2005, 52, 88-96.	2.5	2
114	An improved telemedicine system for remote titration and optimization of Home Mechanical Ventilation. , 2010, , .		2
115	Optical interferometer for measuring forced oscillation on human respiratory system. , 2010, , .		2
116	Regional distribution of chest wall displacements in infants during high-frequency ventilation. Journal of Applied Physiology, 2019, 126, 928-933.	1.2	2
117	Optical Flow Sensor for Lung Surfactant Delivery. , 2019, , .		2
118	A Compartment-Based Mathematical Model for Studying Convective Aerosol Transport in Newborns Receiving Nebulized Drugs during Noninvasive Respiratory Support. Pharmaceutics, 2020, 12, 936.	2.0	2
119	Benefit of Physiologically Variable Over Pressure-Controlled Ventilation in a Model of Chronic Obstructive Pulmonary Disease: A Randomized Study. Frontiers in Physiology, 2020, 11, 625777.	1.3	2
120	Effects of automatic tailoring of Positive End Expiratory Pressure (PEEP) by Forced Oscillation Technique (FOT) during nocturnal Non-Invasive Ventilation (NIV) in Chronic Obstructive Pulmonary Disease (COPD). , 2017, , .		2
121	Assessment of lung mechanics for the prediction and evaluation of pulmonary outcome in preterm infants. , 2018, , .		2
122	Simultaneous monitoring of vocal doses and breathing patterns in professional singers. Computers in Biology and Medicine, 2022, 144, 105352.	3.9	2
123	A bench test system for developing E-nose diagnostic tools with exhaled breath sampling. , 2022, , .		2
124	A new FOT set-up for the assessment of respiratory system mechanics in mechanically ventilated infants. , 2010, , .		1
125	A MEMS accelerometers based system for the measurement of lung sound delays. , 2010, , .		1
126	Optimization of an Optical Magnetic Twisting Cytometry system for the study of cell mechanics. , 2010, , .		1

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127	New insights in respiratory impedance in young children after repair of congenital diaphragmatic hernia: a cross-sectional study. Italian Journal of Pediatrics, 2019, 45, 82.	1.0	1
128	Forced Oscillation Technique and Small Airway Involvement in Chronic Hypersensitivity Pneumonitis. Archivos De Bronconeumologia, 2019, 55, 519-525.	0.4	1
129	Forced Oscillation Technique and Small Airway Involvement in Chronic Hypersensitivity Pneumonitis. Archivos De Bronconeumologia, 2019, 55, 519-525.	0.4	1
130	Role of ventilator and nasal interface in pressure transmission during neonatal intermittent positive pressure ventilation: A bench study. Pediatric Pulmonology, 2021, 56, 2561-2569.	1.0	1
131	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
132	Forced Oscillation Technique. , 2014, , 137-148.		1
133	Effects of sustained lung inflation (SLI) at birth on lung aeration during non-invasive resuscitation of preterm lambs. , 2018, , .		1
134	Temporal variability of forced oscillometry from home telemonitoring and relationship with patient-centred outcomes and AECOPD. , 2019, , .		1
135	Regional distribution of chest wall displacements in infants during high frequency oscillatory ventilation (HFOV). , 2015, , .		1
136	Change of lung function in severe eosinophilic asthma undergoing treatment with anti-interleukin-5 monoclonal antibody. , 2018, , .		1
137	Overnight monitoring of lung mechanics and Tidal expiratory flow limitation (EFLT) by Forced Oscillation Technique (FOT) in Chronic Obstructive Pulmonary Disease (COPD) receiving non-invasive ventilation (NIV): the impact of sleep and posture. , 2018, , .		1
138	Respiratory reactance (Xrs) by Forced Oscillation Technique (FOT) during the first 24h of life in non-intubated preterm infants. , 2019, , .		1
139	Preclinical Assessment of Nebulized Surfactant Delivered through Neonatal High Flow Nasal Cannula Respiratory Support. Pharmaceutics, 2022, 14, 1093.	2.0	1
140	TIDAL HYPERINFLATION ASSESSED BY TOTAL RESPIRATORY SYSTEM INPUT REACTANCE. , 2010, , .		0
141	Quality Control Of The Actual Breathing Pattern Delivered By Mechanical Ventilators In Intensive Care Units (ICU). , 2010, , .		0
142	Automatic Detection Of Expiratory Flow Limitation By Forced Oscillation Technique (FOT) During Non-Invasive Ventilation (NIV). , 2011, , .		0
143	Self-mixing interferometer for direct vibration measurement on human skin. , 2011, , .		0
144	The effects of parasympathetic activity on bronchial tone. , 2014, , .		0

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145	S56 Differences In Forced Oscillation Technique Between Healthy Individuals, Obstructive Sleep Apnoea And Obesity Hypoventilation Syndrome. Thorax, 2014, 69, A31-A31.	2.7	0
146	Forced Oscillometry, Symptoms and Exacerbations During Home Telemonitoring of Severe Asthma. , 2020, , .		0
147	Use of FOT for Optimising Mechanical Ventilation. , 2014, , 381-395.		0
148	Changes in inspiratory resistance after exercise challenge relate to subclinical airways inflammation in adolescents without FEV1-fall. , 2015, , .		0
149	Resonance frequency of the respiratory system in premature infants receiving high frequency oscillatory ventilation (HFOV). , 2015, , .		0
150	LATE-BREAKING ABSTRACT: Lung function assessed by home forced oscillation and self reported symptoms during COPD exacerbations. , 2015, , .		0
151	Effects of posture and sleep in respiratory mechanics detected by forced oscillation tecnique (FOT). , 2016, , .		0
152	LATE-BREAKING ABSTRACT: Randomised controlled trial of telemonitoring with addition of daily forced oscillation in older people with COPD and co-morbidity. , 2016, , .		0
153	Contribution of respiratory resistance variability measured by forced oscillation technique (FOT) to assess the likelihood of asthma diagnosis. , 2016, , .		0
154	Home telemonitoring and adjustement of CPAP settings in patients with sleep apnea. , 2016, , .		0
155	SBW and FOT in healthy and asthmatics pre and post bronchial challenge. , 2016, , .		0
156	Day-to-day variability of inspiratory resistance: A sensitive and specific marker of asthma. , 2016, , .		0
157	Changes in forced oscillation mechanics and symptoms prior to COPD exacerbations during home telemonitoring. , 2017, , .		0
158	Longitudinal assessment of lung mechanics in preterm infants. , 2017, , .		0
159	Postnatal steroids in preterm lambs: long term impact on lung mechanics and respiratory control. , 2017, , .		0
160	Effects of posture on tidal Expiratory Flow Limitation (EFLT) and on minimum PEEP(Positive End) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 1 2017, , .		0
161	Oscillometry reference values in preschool children. , 2017, , .		0
162	Accuracy of flow and pressure parameters delivered by mechanical ventilators in use in neonatal intensive care unit (NICU): a quality control study. , 2017, , .		0

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163	Changes in respiratory oscillatory mechanics of spontaneously breathing preterm infants receiving CPAP over the first day of life. , 2017, , .		0
164	Comparison between within-test and triplicate recordings of impedance by forced oscillation technique (FOT). , 2017, , .		0
165	Effect of different mask design for measuring respiratory input impedance in pre-school children by forced oscillation technique (FOT). , 2017, , .		0
166	Effects of nocturnal Non-Invasive Ventilation (NIV) with automatic tailoring of Positive End Expiratory Pressure (PEEP) on gas exchange and patient-ventilator interaction in COPD (Chronic) Tj ETQq0 0 0 rgBT /Overlock10 Tf 50 6		
167	Longitudinal assessment of lung function in patients with pectus excavatum (PE)>. , 2018, , .		0
168	Association between longitudinal changes in respiratory symptoms and lung mechanics in COPD. , 2019, , .		0
169	Self-Mixing Flow Sensor for Lung Surfactant Delivery. , 2020, , .		0
170	Self-Mixing Flow Sensor for Lung Surfactant Delivery. , 2020, , .		0
171	Predicting hospitalisation post-discharge in preterm infants by tPTEF/tE. , 2020, , .		0
172	Role of hyperpnea in the relaxant effect of inspired CO₂ on methacholine-induced bronchoconstriction. Journal of Applied Physiology, 2022, , .	1.2	0