

# Nelson

## List of Publications by Year in descending order

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25  
papers

898  
citations

687363

13  
h-index

580821

25  
g-index

30  
all docs

30  
docs citations

30  
times ranked

541  
citing authors

#	ARTICLE	IF	CITATIONS
1	Multicenter Crossover Study of Automated Control of Inspired Oxygen in Ventilated Preterm Infants. <i>Pediatrics</i> , 2011, 127, e76-e83.	2.1	149
2	Automated Adjustment of Inspired Oxygen in Preterm Infants with Frequent Fluctuations in Oxygenation: A Pilot Clinical Trial. <i>Journal of Pediatrics</i> , 2009, 155, 640-645.e2.	1.8	102
3	Influence of different methods of synchronized mechanical ventilation on ventilation, gas exchange, patient effort, and blood pressure fluctuations in premature neonates. , 1996, 22, 305-313.		93
4	A Randomized Controlled Trial of Two Nasal Continuous Positive Airway Pressure Levels after Extubation in Preterm Infants. <i>Journal of Pediatrics</i> , 2014, 164, 46-51.	1.8	75
5	Effects of noninvasive pressure support ventilation (NI-PSV) on ventilation and respiratory effort in very low birth weight infants. <i>Pediatric Pulmonology</i> , 2007, 42, 704-710.	2.0	73
6	Automated Closed Loop Control of Inspired Oxygen Concentration. <i>Respiratory Care</i> , 2013, 58, 151-161.	1.6	69
7	Early Caffeine and Weaning from Mechanical Ventilation in Preterm Infants: A Randomized, Placebo-Controlled Trial. <i>Journal of Pediatrics</i> , 2018, 196, 52-57.	1.8	44
8	Closed-loop control of inspired oxygen in premature infants. <i>Seminars in Fetal and Neonatal Medicine</i> , 2015, 20, 198-204.	2.3	39
9	Elimination of ventilator dead space during synchronized ventilation in premature infants. <i>Journal of Pediatrics</i> , 2003, 143, 315-320.	1.8	38
10	Maternal preeclampsia and respiratory outcomes in extremely premature infants. <i>Pediatric Research</i> , 2019, 85, 693-696.	2.3	26
11	Effect of leak around the endotracheal tube on measurements of pulmonary compliance and resistance during mechanical ventilation: A lung model study. , 1996, 22, 35-43.		25
12	Automated respiratory support in newborn infants. <i>Seminars in Fetal and Neonatal Medicine</i> , 2009, 14, 35-41.	2.3	24
13	Effects of Respiratory Mechanical Unloading on Thoracoabdominal Motion in Meconium-Injured Piglets and Rabbits <sup>1</sup> . <i>Pediatric Research</i> , 1998, 43, 191-197.	2.3	20
14	Influence of Chest Wall Distortion and Esophageal Catheter Position on Esophageal Manometry in Preterm Infants. <i>Pediatric Research</i> , 1995, 37, 617-622.	2.3	14
15	Targeted Minute Ventilation and Tidal Volume in an Animal Model of Acute Changes in Lung Mechanics and Episodes of Hypoxemia. <i>Neonatology</i> , 2009, 95, 132-140.	2.0	14
16	Changes in Patent Ductus Arteriosus Treatment Strategy and Respiratory Outcomes in Premature Infants. <i>Journal of Pediatrics</i> , 2021, 235, 58-62.	1.8	14
17	Cerebral oxygenation in preterm infants receiving transfusion. <i>Pediatric Research</i> , 2019, 85, 786-789.	2.3	13
18	Acute effects of PEEP on tidal volume and respiratory center output during synchronized ventilation in preterm infants. <i>Pediatric Pulmonology</i> , 2006, 41, 759-764.	2.0	11

#	ARTICLE	IF	CITATIONS
19	Increased incidence of sighs (augmented inspiratory efforts) during synchronized intermittent mandatory ventilation (SIMV) in preterm neonates. , 1997, 24, 195-203.		10
20	Targeting Arterial Oxygen Saturation by Closed-Loop Control of Inspired Oxygen in Preterm Infants. Clinics in Perinatology, 2019, 46, 567-577.	2.1	10
21	Role of automation in neonatal respiratory support. Journal of Perinatal Medicine, 2013, 41, 115-118.	1.4	7
22	New Modes of Respiratory Support for the Premature Infant: Automated Control of Inspired Oxygen Concentration. Clinics in Perinatology, 2021, 48, 843-853.	2.1	6
23	Effect of chestwall distortion on the measurement of pulmonary mechanics in preterm infants. Pediatric Pulmonology, 1995, 20, 34-39.	2.0	5
24	Efficacy of late postnatal dexamethasone on weaning from invasive mechanical ventilation in extreme premature infants. Journal of Perinatology, 2021, 41, 1951-1955.	2.0	3
25	The Impact of Late Onset Arterial Hypotension on Respiratory Outcome in Extremely Premature Infants. Neonatology, 2019, 115, 164-168.	2.0	2