

Namasivayam Ambalavanan

List of Publications by Year in descending order

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Version: 2024-02-01

334
papers

18,848
citations

13099

68
h-index

17592

121
g-index

349
all docs

349
docs citations

349
times ranked

15157
citing authors

#	ARTICLE	IF	CITATIONS
1	Early CPAP versus Surfactant in Extremely Preterm Infants. <i>New England Journal of Medicine</i> , 2010, 362, 1970-1979.	27.0	1,022
2	Target Ranges of Oxygen Saturation in Extremely Preterm Infants. <i>New England Journal of Medicine</i> , 2010, 362, 1959-1969.	27.0	853
3	Prolonged Duration of Initial Empirical Antibiotic Treatment Is Associated With Increased Rates of Necrotizing Enterocolitis and Death for Extremely Low Birth Weight Infants. <i>Pediatrics</i> , 2009, 123, 58-66.	2.1	796
4	Causes and Timing of Death in Extremely Premature Infants from 2000 through 2011. <i>New England Journal of Medicine</i> , 2015, 372, 331-340.	27.0	547
5	Incidence and outcomes of neonatal acute kidney injury (AWAKEN): a multicentre, multinational, observational cohort study. <i>The Lancet Child and Adolescent Health</i> , 2017, 1, 184-194.	5.6	453
6	Survival and Neurodevelopmental Outcomes among Periviable Infants. <i>New England Journal of Medicine</i> , 2017, 376, 617-628.	27.0	391
7	Prediction of Bronchopulmonary Dysplasia by Postnatal Age in Extremely Premature Infants. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2011, 183, 1715-1722.	5.6	363
8	Prospective Analysis of Pulmonary Hypertension in Extremely Low Birth Weight Infants. <i>Pediatrics</i> , 2012, 129, e682-e689.	2.1	309
9	Acute kidney injury in critically ill newborns: What do we know? What do we need to learn?. <i>Pediatric Nephrology</i> , 2009, 24, 265-274.	1.7	278
10	Acute Kidney Injury Reduces Survival in Very Low Birth Weight Infants. <i>Pediatric Research</i> , 2011, 69, 354-358.	2.3	272
11	Cytokines Associated With Bronchopulmonary Dysplasia or Death in Extremely Low Birth Weight Infants. <i>Pediatrics</i> , 2009, 123, 1132-1141.	2.1	242
12	Effect of Depth and Duration of Cooling on Deaths in the NICU Among Neonates With Hypoxic Ischemic Encephalopathy. <i>JAMA - Journal of the American Medical Association</i> , 2014, 312, 2629.	7.4	222
13	Mortality, In-Hospital Morbidity, Care Practices, and 2-Year Outcomes for Extremely Preterm Infants in the US, 2013-2018. <i>JAMA - Journal of the American Medical Association</i> , 2022, 327, 248.	7.4	222
14	Both Extremes of Arterial Carbon Dioxide Pressure and the Magnitude of Fluctuations in Arterial Carbon Dioxide Pressure Are Associated With Severe Intraventricular Hemorrhage in Preterm Infants. <i>Pediatrics</i> , 2007, 119, 299-305.	2.1	218
15	Treatment for Mild Chronic Hypertension during Pregnancy. <i>New England Journal of Medicine</i> , 2022, 386, 1781-1792.	27.0	215
16	Effect of Therapeutic Hypothermia Initiated After 6 Hours of Age on Death or Disability Among Newborns With Hypoxic-Ischemic Encephalopathy. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 1550.	7.4	212
17	Altered DNA Methylation Profile in Idiopathic Pulmonary Fibrosis. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2012, 186, 525-535.	5.6	200
18	Extracellular matrix in lung development, homeostasis and disease. <i>Matrix Biology</i> , 2018, 73, 77-104.	3.6	200

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19	Adjunctive Azithromycin Prophylaxis for Cesarean Delivery. <i>New England Journal of Medicine</i> , 2016, 375, 1231-1241.	27.0	192
20	TGF- β 2 Suppresses Macrophage Cytokine Production and Mucosal Inflammatory Responses in the Developing Intestine. <i>Gastroenterology</i> , 2011, 140, 242-253.	1.3	186
21	Effect of Depth and Duration of Cooling on Death or Disability at Age 18 Months Among Neonates With Hypoxic-Ischemic Encephalopathy. <i>JAMA - Journal of the American Medical Association</i> , 2017, 318, 57.	7.4	184
22	Neurodevelopmental Impairment Among Extremely Preterm Infants in the Neonatal Research Network. <i>Pediatrics</i> , 2018, 141, e20173091.	2.1	167
23	Randomized trial of "slow" versus "fast" feed advancements on the incidence of necrotizing enterocolitis in very low birth weight infants. <i>Journal of Pediatrics</i> , 1999, 134, 293-297.	1.8	165
24	LungMAP: The Molecular Atlas of Lung Development Program. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2017, 313, L733-L740.	2.9	162
25	Acute kidney injury is independently associated with mortality in very low birthweight infants: a matched case-control analysis. <i>Pediatric Nephrology</i> , 2009, 24, 991-997.	1.7	155
26	Acute kidney injury and renal replacement therapy independently predict mortality in neonatal and pediatric noncardiac patients on extracorporeal membrane oxygenation. <i>Pediatric Critical Care Medicine</i> , 2011, 12, e1-e6.	0.5	147
27	SNO-hemoglobin is not essential for red blood cell-dependent hypoxic vasodilation. <i>Nature Medicine</i> , 2008, 14, 773-777.	30.7	145
28	Outcome of Term Infants Using Apgar Scores at 10 Minutes Following Hypoxic-Ischemic Encephalopathy. <i>Pediatrics</i> , 2009, 124, 1619-1626.	2.1	144
29	The Airway Microbiome at Birth. <i>Scientific Reports</i> , 2016, 6, 31023.	3.3	139
30	Disseminated <i>Ureaplasma</i> infection as a cause of fatal hyperammonemia in humans. <i>Science Translational Medicine</i> , 2015, 7, 284re3.	12.4	132
31	Gastric Residuals and Their Relationship to Necrotizing Enterocolitis in Very Low Birth Weight Infants. <i>Pediatrics</i> , 2004, 113, 50-53.	2.1	130
32	Vitamin A Supplementation for Extremely Low Birth Weight Infants: Outcome at 18 to 22 Months. <i>Pediatrics</i> , 2005, 115, e249-e254.	2.1	127
33	Extremely Low Birth Weight and Infant Mortality Rates in the United States. <i>Pediatrics</i> , 2013, 131, 855-860.	2.1	126
34	Hyperoxia-induced neonatal rat lung injury involves activation of TGF- β 2 and Wnt signaling and is protected by rosiglitazone. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 296, L1031-L1041.	2.9	124
35	Fluid overload and mortality are associated with acute kidney injury in sick near-term/term neonate. <i>Pediatric Nephrology</i> , 2013, 28, 661-666.	1.7	122
36	Histone deacetylase inhibition promotes fibroblast apoptosis and ameliorates pulmonary fibrosis in mice. <i>European Respiratory Journal</i> , 2014, 43, 1448-1458.	6.7	120

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37	Predicting Outcomes of Neonates Diagnosed With Hypoxemic-Ischemic Encephalopathy. <i>Pediatrics</i> , 2006, 118, 2084-2093.	2.1	116
38	Baseline Values of Candidate Urine Acute Kidney Injury Biomarkers Vary by Gestational Age in Premature Infants. <i>Pediatric Research</i> , 2011, 70, 302-306.	2.3	110
39	Markers of Successful Extubation in Extremely Preterm Infants, and Morbidity After Failed Extubation. <i>Journal of Pediatrics</i> , 2017, 189, 113-119.e2.	1.8	109
40	Urine Biomarkers Predict Acute Kidney Injury in Newborns. <i>Journal of Pediatrics</i> , 2012, 161, 270-275.e1.	1.8	106
41	Predictors of death or bronchopulmonary dysplasia in preterm infants with respiratory failure. <i>Journal of Perinatology</i> , 2008, 28, 420-426.	2.0	103
42	Assessment of Worldwide Acute Kidney Injury Epidemiology in Neonates: Design of a Retrospective Cohort Study. <i>Frontiers in Pediatrics</i> , 2016, 4, 68.	1.9	101
43	Incidence and Risk Factors of Early Onset Neonatal AKI. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2019, 14, 184-195.	4.5	101
44	Urine Biomarkers Predict Acute Kidney Injury and Mortality in Very Low Birth Weight Infants. <i>Journal of Pediatrics</i> , 2011, 159, 907-912.e1.	1.8	100
45	Hyperoxia causes miR-34a-mediated injury via angiotensin-1 in neonatal lungs. <i>Nature Communications</i> , 2017, 8, 1173.	12.8	100
46	Integrated Genomic Analyses in Bronchopulmonary Dysplasia. <i>Journal of Pediatrics</i> , 2015, 166, 531-537.e13.	1.8	93
47	Dominant negative mutation of the TGF- β 2 receptor blocks hypoxia-induced pulmonary vascular remodeling. <i>Journal of Applied Physiology</i> , 2006, 100, 564-571.	2.5	90
48	Transforming growth factor- β 2 signaling mediates hypoxia-induced pulmonary arterial remodeling and inhibition of alveolar development in newborn mouse lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 295, L86-L95.	2.9	90
49	Exosomal microRNA predicts and protects against severe bronchopulmonary dysplasia in extremely premature infants. <i>JCI Insight</i> , 2018, 3, .	5.0	89
50	In vitro studies on the effect of particle size on macrophage responses to nanodiamond wear debris. <i>Acta Biomaterialia</i> , 2012, 8, 1939-1947.	8.3	88
51	Histological Characteristics of the Fetal Inflammatory Response Associated with Neurodevelopmental Impairment and Death in Extremely Preterm Infants. <i>Journal of Pediatrics</i> , 2013, 163, 652-657.e2.	1.8	86
52	Pathogenetics of alveolar capillary dysplasia with misalignment of pulmonary veins. <i>Human Genetics</i> , 2016, 135, 569-586.	3.8	85
53	Bias in Reported Neurodevelopmental Outcomes Among Extremely Low Birth Weight Survivors. <i>Pediatrics</i> , 2004, 114, 404-410.	2.1	83
54	Cytokines and Neurodevelopmental Outcomes in Extremely Low Birth Weight Infants. <i>Journal of Pediatrics</i> , 2011, 159, 919-925.e3.	1.8	83

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55	Predicting Time to Hospital Discharge for Extremely Preterm Infants. <i>Pediatrics</i> , 2010, 125, e146-e154.	2.1	82
56	Admission Temperature and Associated Mortality and Morbidity among Moderately and Extremely Preterm Infants. <i>Journal of Pediatrics</i> , 2018, 192, 53-59.e2.	1.8	82
57	Airway Microbiome and Development of Bronchopulmonary Dysplasia in Preterm Infants: A Systematic Review. <i>Journal of Pediatrics</i> , 2019, 204, 126-133.e2.	1.8	81
58	Approach to Infants Born at 22 to 24 Weeksâ€™ Gestation: Relationship to Outcomes of More-Mature Infants. <i>Pediatrics</i> , 2012, 129, e1508-e1516.	2.1	79
59	Outcome Trajectories in Extremely Preterm Infants. <i>Pediatrics</i> , 2012, 130, e115-e125.	2.1	79
60	Intercenter Differences in Bronchopulmonary Dysplasia or Death Among Very Low Birth Weight Infants. <i>Pediatrics</i> , 2011, 127, e106-e116.	2.1	78
61	Acute Kidney Injury Urine Biomarkers in Very Low-Birth-Weight Infants. <i>Clinical Journal of the American Society of Nephrology: CJASN</i> , 2016, 11, 1527-1535.	4.5	75
62	HYPOCAPNIA AND HYPERCAPNIA IN RESPIRATORY MANAGEMENT OF NEWBORN INFANTS. <i>Clinics in Perinatology</i> , 2001, 28, 517-531.	2.1	74
63	A comparison of three vitamin a dosing regimens in extremely-low-birth-weight infants. <i>Journal of Pediatrics</i> , 2003, 142, 656-661.	1.8	74
64	Feeding Practices and Necrotizing Enterocolitis. <i>Clinics in Perinatology</i> , 2013, 40, 1-10.	2.1	74
65	Myofibroblast Differentiation and Enhanced Tgf-B Signaling in Cystic Fibrosis Lung Disease. <i>PLoS ONE</i> , 2013, 8, e70196.	2.5	74
66	Clinical Data Predict Neurodevelopmental Outcome Better than Head Ultrasound in Extremely Low Birth Weight Infants. <i>Journal of Pediatrics</i> , 2007, 151, 500-505.e2.	1.8	73
67	Biomarkers, Early Diagnosis, and Clinical Predictors of Bronchopulmonary Dysplasia. <i>Clinics in Perinatology</i> , 2015, 42, 739-754.	2.1	73
68	Mortality and pulmonary outcomes of extremely preterm infants exposed to antenatal corticosteroids. <i>American Journal of Obstetrics and Gynecology</i> , 2018, 218, 130.e1-130.e13.	1.3	72
69	Ventilatory Strategies in the Prevention and Management of Bronchopulmonary Dysplasia. <i>Seminars in Perinatology</i> , 2006, 30, 192-199.	2.5	71
70	A Comparison of 3 Vitamin D Dosing Regimens in Extremely Preterm Infants: A Randomized Controlled Trial. <i>Journal of Pediatrics</i> , 2016, 174, 132-138.e1.	1.8	71
71	Prediction of Death for Extremely Low Birth Weight Neonates. <i>Pediatrics</i> , 2005, 116, 1367-1373.	2.1	70
72	Developmental Regulation of NO-Mediated VEGF-Induced Effects in the Lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2008, 39, 420-430.	2.9	70

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73	Spatially-Resolved Proteomics: Rapid Quantitative Analysis of Laser Capture Microdissected Alveolar Tissue Samples. <i>Scientific Reports</i> , 2016, 6, 39223.	3.3	69
74	Endothelin-A Receptor Blockade Prevents and Partially Reverses Neonatal Hypoxic Pulmonary Vascular Remodeling. <i>Pediatric Research</i> , 2005, 57, 631-636.	2.3	68
75	MicroRNA-145 Antagonism Reverses TGF- β 2 Inhibition of F508del CFTR Correction in Airway Epithelia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 632-643.	5.6	68
76	Permissive hypercapnia to decrease lung injury in ventilated preterm neonates. <i>Seminars in Fetal and Neonatal Medicine</i> , 2009, 14, 21-27.	2.3	66
77	Survey of vitamin a supplementation for extremely-low-birth-weight infants: is clinical practice consistent with the evidence?. <i>Journal of Pediatrics</i> , 2004, 145, 304-307.	1.8	63
78	Loss of Thy-1 inhibits alveolar development in the newborn mouse lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 296, L738-L750.	2.9	63
79	Individual and Center-Level Factors Affecting Mortality Among Extremely Low Birth Weight Infants. <i>Pediatrics</i> , 2013, 132, e175-e184.	2.1	63
80	Regulation of alveolar septation by microRNA-489. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L476-L487.	2.9	63
81	Hydrocortisone to Improve Survival without Bronchopulmonary Dysplasia. <i>New England Journal of Medicine</i> , 2022, 386, 1121-1131.	27.0	62
82	Pulmonary hypertension in bronchopulmonary dysplasia. <i>Birth Defects Research Part A: Clinical and Molecular Teratology</i> , 2014, 100, 240-246.	1.6	61
83	Center Variation in Intestinal Microbiota Prior to Late-Onset Sepsis in Preterm Infants. <i>PLoS ONE</i> , 2015, 10, e0130604.	2.5	61
84	Milrinone in congenital diaphragmatic hernia â€” a randomized pilot trial: study protocol, review of literature and survey of current practices. <i>Maternal Health, Neonatology and Perinatology</i> , 2017, 3, 27.	2.2	61
85	Identification of Extremely Premature Infants at High Risk of Rehospitalization. <i>Pediatrics</i> , 2011, 128, e1216-e1225.	2.1	60
86	Blood Cytokine Profiles Associated with Distinct Patterns of Bronchopulmonary Dysplasia among Extremely Low Birth Weight Infants. <i>Journal of Pediatrics</i> , 2016, 174, 45-51.e5.	1.8	60
87	Reconstructing dynamic microRNA-regulated interaction networks. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 15686-15691.	7.1	59
88	Early prediction of poor outcome in extremely low birth weight infants by classification tree analysis. <i>Journal of Pediatrics</i> , 2006, 148, 438-444.e1.	1.8	58
89	Intestinal microbiota of preterm infants differ over time and between hospitals. <i>Microbiome</i> , 2014, 2, 36.	11.1	58
90	Inflammatory signals that regulate intestinal epithelial renewal, differentiation, migration and cell death: Implications for necrotizing enterocolitis. <i>Pathophysiology</i> , 2014, 21, 67-80.	2.2	58

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91	Hypoxia induces downregulation of PPAR- β in isolated pulmonary arterial smooth muscle cells and in rat lung via transforming growth factor- β signaling. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 301, L899-L907.	2.9	57
92	Advances in Neonatal Acute Kidney Injury. Pediatrics, 2021, 148, .	2.1	57
93	Thy-1 Signals through PPAR- β to Promote Lipofibroblast Differentiation in the Developing Lung. American Journal of Respiratory Cell and Molecular Biology, 2012, 46, 765-772.	2.9	56
94	Racial/Ethnic Disparities Among Extremely Preterm Infants in the United States From 2002 to 2016. JAMA Network Open, 2020, 3, e206757.	5.9	56
95	Paco2 and Neurodevelopment in Extremely Low Birth Weight Infants. Journal of Pediatrics, 2009, 155, 217-221.e1.	1.8	55
96	Impact of Timing of Birth and Resident Duty-Hour Restrictions on Outcomes for Small Preterm Infants. Pediatrics, 2010, 126, 222-231.	2.1	55
97	Neurodevelopmental impairment following neonatal hyperoxia in the mouse. Neurobiology of Disease, 2013, 50, 69-75.	4.4	55
98	Impact of Optimized Breastfeeding on the Costs of Necrotizing Enterocolitis in Extremely Low Birthweight Infants. Journal of Pediatrics, 2016, 175, 100-105.e2.	1.8	55
99	Bronchopulmonary dysplasia: new insights. Clinics in Perinatology, 2004, 31, 613-628.	2.1	53
100	Oronasopharyngeal suction versus wiping of the mouth and nose at birth: a randomised equivalency trial. Lancet, The, 2013, 382, 326-330.	13.7	53
101	Human Fetal Lungs Harbor a Microbiome Signature. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 1002-1006.	5.6	53
102	Peptide Growth Factors in Tracheal Aspirates of Mechanically Ventilated Preterm Neonates. Pediatric Research, 2003, 53, 240-244.	2.3	52
103	PaCO ₂ in Surfactant, Positive Pressure, and Oxygenation Randomised Trial (SUPPORT). Archives of Disease in Childhood: Fetal and Neonatal Edition, 2015, 100, F145-F149.	2.8	52
104	Preterm Neuroimaging and School-Age Cognitive Outcomes. Pediatrics, 2018, 142, .	2.1	52
105	Late onset neonatal acute kidney injury: results from the AWAKEN Study. Pediatric Research, 2019, 85, 339-348.	2.3	52
106	Hyperoxia Injury in the Developing Lung Is Mediated by Mesenchymal Expression of Wnt5A. American Journal of Respiratory and Critical Care Medicine, 2020, 201, 1249-1262.	5.6	52
107	Prediction of Neurologic Morbidity in Extremely Low Birth Weight Infants. Journal of Perinatology, 2000, 20, 496-503.	2.0	51
108	Patterns of Oxygenation, Mortality, and Growth Status in the Surfactant Positive Pressure and Oxygen Trial Cohort. Journal of Pediatrics, 2017, 186, 49-56.e1.	1.8	51

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109	Peptide-Directed Highly Selective Targeting of Pulmonary Arterial Hypertension. American Journal of Pathology, 2011, 178, 2489-2495.	3.8	50
110	Hypoxia-induced inhibition of lung development is attenuated by the peroxisome proliferator-activated receptor- β agonist rosiglitazone. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 301, L125-L134.	2.9	50
111	Searching for better animal models of BPD: a perspective. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2016, 311, L924-L927.	2.9	50
112	Alterations in Gene Expression and DNA Methylation during Murine and Human Lung Alveolar Septation. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 60-73.	2.9	49
113	Genomics, microbiomics, proteomics, and metabolomics in bronchopulmonary dysplasia. Seminars in Perinatology, 2018, 42, 425-431.	2.5	49
114	Mortality and Morbidity of VLBW Infants With Trisomy 13 or Trisomy 18. Pediatrics, 2014, 133, 226-235.	2.1	48
115	Structure, function and five basic needs of the global health research system. Journal of Global Health, 2016, 6, 010508.	2.7	48
116	Early airway microbial metagenomic and metabolomic signatures are associated with development of severe bronchopulmonary dysplasia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L810-L815.	2.9	48
117	Optimizing the AKI definition during first postnatal week using Assessment of Worldwide Acute Kidney Injury Epidemiology in Neonates (AWAKEN) cohort. Pediatric Research, 2019, 85, 329-338.	2.3	48
118	VARA attenuates hyperoxia-induced impaired alveolar development and lung function in newborn mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 304, L803-L812.	2.9	47
119	Randomized Trial of Plastic Bags to Prevent Term Neonatal Hypothermia in a Resource-Poor Setting. Pediatrics, 2013, 132, e656-e661.	2.1	47
120	Acute kidney injury is associated with bronchopulmonary dysplasia/mortality in premature infants. Pediatric Nephrology, 2015, 30, 1511-1518.	1.7	47
121	Outcomes of extremely preterm infants following severe intracranial hemorrhage. Journal of Perinatology, 2014, 34, 203-208.	2.0	46
122	Vascular Endothelial Mitochondrial Function Predicts Death or Pulmonary Outcomes in Preterm Infants. American Journal of Respiratory and Critical Care Medicine, 2017, 196, 1040-1049.	5.6	46
123	The impact of fluid balance on outcomes in critically ill near-term/term neonates: a report from the AWAKEN study group. Pediatric Research, 2019, 85, 79-85.	2.3	46
124	Chorioamnionitis and neonatal outcomes. Pediatric Research, 2022, 91, 289-296.	2.3	46
125	Neurodevelopmental and Behavioral Outcomes in Extremely Premature Neonates With Ventriculomegaly in the Absence of Periventricular-Intraventricular Hemorrhage. JAMA Pediatrics, 2018, 172, 32.	6.2	46
126	Impact of gestational age, sex, and postnatal age on urine biomarkers in premature neonates. Pediatric Nephrology, 2015, 30, 2037-2044.	1.7	45

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127	Early Exposure to Hyperoxia or Hypoxia Adversely Impacts Cardiopulmonary Development. American Journal of Respiratory Cell and Molecular Biology, 2015, 52, 594-602.	2.9	45
128	Cerebral Oxygenation and Autoregulation in Preterm Infants (Early NIRS Study). Journal of Pediatrics, 2020, 227, 94-100.e1.	1.8	45
129	Randomised trial of azithromycin to eradicate <i>Ureaplasma</i> in preterm infants. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 615-622.	2.8	45
130	Role of Matrix Metalloproteinase-2 in Newborn Mouse Lungs under Hypoxic Conditions. Pediatric Research, 2008, 63, 26-32.	2.3	44
131	Vitamin A and Retinoic Acid Act Synergistically to Increase Lung Retinyl Esters During Normoxia and Reduce Hyperoxic Lung Injury in Newborn Mice. Pediatric Research, 2010, 67, 591-597.	2.3	44
132	Acute Kidney Injury and Bronchopulmonary Dysplasia in Premature Neonates Born Less than 32 Weeks' Gestation. American Journal of Perinatology, 2020, 37, 341-348.	1.4	44
133	Genetic predisposition to bronchopulmonary dysplasia. Seminars in Perinatology, 2015, 39, 584-591.	2.5	43
134	Vitamin A combined with retinoic acid increases retinol uptake and lung retinyl ester formation in a synergistic manner in neonatal rats. Journal of Lipid Research, 2006, 47, 1844-1851.	4.2	42
135	Impact of early surfactant and inhaled nitric oxide therapies on outcomes in term/late preterm neonates with moderate hypoxic respiratory failure. Journal of Perinatology, 2013, 33, 944-949.	2.0	40
136	Titanium oxide nanoparticle instillation induces inflammation and inhibits lung development in mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 304, L152-L161.	2.9	39
137	Genes and environment in neonatal intraventricular hemorrhage. Seminars in Perinatology, 2015, 39, 592-603.	2.5	39
138	Role of Nitric Oxide in Regulating Neonatal Porcine Pulmonary Artery Smooth Muscle Cell Proliferation. Neonatology, 1999, 76, 291-300.	2.0	38
139	Comparison of the prediction of extremely low birth weight neonatal mortality by regression analysis and by neural networks. Early Human Development, 2001, 65, 123-137.	1.8	38
140	Atrial natriuretic peptide-dependent modulation of hypoxia-induced pulmonary vascular remodeling. Life Sciences, 2006, 79, 1357-1365.	4.3	38
141	Association between Use of Prophylactic Indomethacin and the Risk for Bronchopulmonary Dysplasia in Extremely Preterm Infants. Journal of Pediatrics, 2017, 186, 34-40.e2.	1.8	38
142	Effect of Prenatal versus Postnatal Vitamin D Deficiency on Pulmonary Structure and Function in Mice. American Journal of Respiratory Cell and Molecular Biology, 2017, 56, 383-392.	2.9	37
143	A functional ATG16L1 (T300A) variant is associated with necrotizing enterocolitis in premature infants. Pediatric Research, 2017, 81, 582-588.	2.3	36
144	Prophylactic Phenobarbital and Whole-Body Cooling for Neonatal Hypoxic-Ischemic Encephalopathy. Journal of Pediatrics, 2010, 157, 334-336.	1.8	35

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145	Association of Chorioamnionitis with Aberrant Neonatal Gut Colonization and Adverse Clinical Outcomes. PLoS ONE, 2016, 11, e0162734.	2.5	35
146	Delivery Room Resuscitation and Short-Term Outcomes in Moderately Preterm Infants. Journal of Pediatrics, 2018, 195, 33-38.e2.	1.8	35
147	Incidence of neonatal hypertension from a large multicenter study [Assessment of Worldwide Acute Kidney Injury Epidemiology in Neonates "AWAKEN"]. Pediatric Research, 2018, 84, 279-289.	2.3	34
148	Pre-Vent: the prematurity-related ventilatory control study. Pediatric Research, 2019, 85, 769-776.	2.3	33
149	Predictive Modeling for Perinatal Mortality in Resource-Limited Settings. JAMA Network Open, 2020, 3, e2026750.	5.9	33
150	Gestational age and birthweight for risk assessment of neurodevelopmental impairment or death in extremely preterm infants. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2016, 101, F494-F501.	2.8	32
151	Hyperoxia Induces Intracellular Acidification in Neonatal Mouse Lung Fibroblasts: Real-Time Investigation Using Plasmonically Enhanced Raman Spectroscopy. Journal of the American Chemical Society, 2016, 138, 3779-3788.	13.7	32
152	Prophylactic Indomethacin and Intestinal Perforation in Extremely Low Birth Weight Infants. Pediatrics, 2014, 134, e1369-e1377.	2.1	31
153	Noninvasive Imaging of Experimental Lung Fibrosis. American Journal of Respiratory Cell and Molecular Biology, 2015, 53, 8-13.	2.9	31
154	Pharmacokinetics, Microbial Response, and Pulmonary Outcomes of Multidose Intravenous Azithromycin in Preterm Infants at Risk for Ureaplasma Respiratory Colonization. Antimicrobial Agents and Chemotherapy, 2015, 59, 570-578.	3.2	31
155	Effect of Cigarette Smoke Extract on Neonatal Porcine Vascular Smooth Muscle Cells. Toxicology and Applied Pharmacology, 2001, 170, 130-136.	2.8	29
156	Endothelial Cell Bioenergetics and Mitochondrial DNA Damage Differ in Humans Having African or West Eurasian Maternal Ancestry. Circulation: Cardiovascular Genetics, 2016, 9, 26-36.	5.1	29
157	A Shared Pattern of β -Catenin Activation in Bronchopulmonary Dysplasia and Idiopathic Pulmonary Fibrosis. American Journal of Pathology, 2018, 188, 853-862.	3.8	29
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