

Rita M Ryan

List of Publications by Year in descending order

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116
papers

4,955
citations

81900

39
h-index

102487

66
g-index

119
all docs

119
docs citations

119
times ranked

4113
citing authors

#	ARTICLE	IF	CITATIONS
1	Bronchopulmonary Dysplasia: Executive Summary of a Workshop. <i>Journal of Pediatrics</i> , 2018, 197, 300-308.	1.8	516
2	Hyperoxic injury decreases alveolar epithelial cell expression of vascular endothelial growth factor (VEGF) in neonatal rabbit lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 1997, 16, 557-567.	2.9	206
3	Multicenter Controlled Clinical Trial of High-frequency Jet Ventilation in Preterm Infants With Uncomplicated Respiratory Distress Syndrome. <i>Pediatrics</i> , 1997, 100, 593-599.	2.1	177
4	Bronchopulmonary Dysplasia and Perinatal Characteristics Predict 1-Year Respiratory Outcomes in Newborns Born at Extremely Low Gestational Age: A Prospective Cohort Study. <i>Journal of Pediatrics</i> , 2017, 187, 89-97.e3.	1.8	158
5	Adverse Neonatal Outcomes Associated With Early-Term Birth. <i>JAMA Pediatrics</i> , 2013, 167, 1053.	6.2	157
6	Oxygen Concentration and Pulmonary Hemodynamics in Newborn Lambs With Pulmonary Hypertension. <i>Pediatric Research</i> , 2009, 66, 539-544.	2.3	138
7	Characteristics of pulmonary hypertension in preterm neonates. <i>Journal of Perinatology</i> , 2007, 27, 214-219.	2.0	130
8	Pulmonary Arterial Contractility in Neonatal Lambs Increases with 100% Oxygen Resuscitation. <i>Pediatric Research</i> , 2006, 59, 137-141.	2.3	125
9	Vertical and Horizontal Transmission of <i>Candida albicans</i> in Very Low Birth Weight Infants Using DNA Fingerprinting Techniques. <i>Pediatric Infectious Disease Journal</i> , 2008, 27, 231-235.	2.0	123
10	Pulmonary Hemodynamics in Neonatal Lambs Resuscitated with 21%, 50%, and 100% Oxygen. <i>Pediatric Research</i> , 2007, 62, 313-318.	2.3	116
11	Impact of prematurity and nutrition on the developing gut microbiome and preterm infant growth. <i>Microbiome</i> , 2017, 5, 158.	11.1	115
12	Surfactant Administration by Transient Intubation in Infants 29 to 35 Weeks' Gestation with Respiratory Distress Syndrome Decreases the Likelihood of Later Mechanical Ventilation: A Randomized Controlled Trial. <i>Journal of Perinatology</i> , 2005, 25, 703-708.	2.0	111
13	Inflammatory Mediators in the Immunobiology of Bronchopulmonary Dysplasia. <i>Clinical Reviews in Allergy and Immunology</i> , 2008, 34, 174-190.	6.5	107
14	Binding and uptake of pulmonary surfactant protein (SP-A) by pulmonary type II epithelial cells. <i>Journal of Histochemistry and Cytochemistry</i> , 1989, 37, 429-440.	2.5	102
15	Dysregulation of pulmonary elastin synthesis and assembly in preterm lambs with chronic lung disease. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L1370-L1384.	2.9	102
16	Bronchopulmonary dysplasia: new becomes old again!. <i>Pediatric Research</i> , 2017, 81, 210-213.	2.3	91
17	Longitudinal, 15-Year Follow-up of Children Born at Less Than 29 Weeks' Gestation After Introduction of Surfactant Therapy Into a Region: Neurologic, Cognitive, and Educational Outcomes. <i>Pediatrics</i> , 2002, 110, 1094-1102.	2.1	88
18	Outbreak of adenovirus type 30 in a neonatal intensive care unit. <i>Journal of Pediatrics</i> , 2005, 146, 523-527.	1.8	83

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19	Transient Tachypnea of the Newborn. <i>Pediatrics in Review</i> , 2008, 29, e59-e65.	0.4	83
20	Meconium analysis for improved identification of infants exposed to cocaine in utero. <i>Journal of Pediatrics</i> , 1994, 125, 435-440.	1.8	79
21	Comparison of Two Strategies for Surfactant Prophylaxis in Very Premature Infants: A Multicenter Randomized Trial. <i>Pediatrics</i> , 1998, 101, 1006-1012.	2.1	77
22	Randomized Trial of Late Surfactant Treatment in Ventilated Preterm Infants Receiving Inhaled Nitric Oxide. <i>Journal of Pediatrics</i> , 2016, 168, 23-29.e4.	1.8	68
23	Detection of intrauterine illicit drug exposure by newborn drug testing. <i>Clinical Chemistry</i> , 1997, 43, 235-242.	3.2	65
24	Pressure-Regulated Volume Control Ventilation vs Synchronized Intermittent Mandatory Ventilation for Very Low-Birth-Weight Infants. <i>JAMA Pediatrics</i> , 2005, 159, 868.	3.0	64
25	Amnioinfusion during labor complicated by particulate meconium-stained amniotic fluid decreases neonatal morbidity. <i>American Journal of Obstetrics and Gynecology</i> , 1994, 170, 842-849.	1.3	63
26	Early Dexamethasone "Attempting To Prevent Chronic Lung Disease. <i>Pediatrics</i> , 2000, 105, 542-548.	2.1	62
27	THE IMPACT OF PRENATAL DRUG EXPOSURE ON THE NEONATE. <i>Obstetrics and Gynecology Clinics of North America</i> , 1998, 25, 169-194.	1.9	61
28	Aerosolized Calfactant for Newborns With Respiratory Distress: A Randomized Trial. <i>Pediatrics</i> , 2020, 146, .	2.1	61
29	Growth Factors in Lung Development. <i>Advances in Clinical Chemistry</i> , 2005, 40, 261-316.	3.7	59
30	Animal models of bronchopulmonary dysplasia. The preterm and term rabbit models. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2014, 307, L959-L969.	2.9	58
31	Growth factors in the fetal and neonatal lung. <i>Frontiers in Bioscience - Landmark</i> , 2004, 9, 464.	3.0	58
32	Academic and Career Development of Pulmonary and Critical Care Physician-Scientists. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2006, 173, 23-31.	5.6	54
33	Vascular Endothelial Growth Factor in Pulmonary Lavage Fluid from Premature Infants: Effects of Age and Postnatal Dexamethasone. <i>Neonatology</i> , 1999, 76, 266-273.	2.0	52
34	Differential expression of VEGF mRNA splice variants in newborn and adult hyperoxic lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 276, L858-L867.	2.9	48
35	DISCORDANT PULMONARY PROINFLAMMATORY CYTOKINE EXPRESSION DURING ACUTE HYPEROXIA IN THE NEWBORN RABBIT. <i>Experimental Lung Research</i> , 1999, 25, 443-465.	1.2	48
36	Genetic prothrombotic mutations are common in neonates but are not associated with umbilical catheter-associated thrombosis. <i>Journal of Perinatology</i> , 2007, 27, 490-495.	2.0	46

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37	<i>Absidia corymbifera</i> Infections in Neonates. <i>Clinical Infectious Diseases</i> , 1998, 26, 990-992.	5.8	43
38	Comparison of Breast- and Formula-Fed Normal Newborns in Time to First Stool and Urine. <i>Journal of Perinatology</i> , 2003, 23, 624-628.	2.0	43
39	Black Race Is Associated with a Lower Risk of Bronchopulmonary Dysplasia. <i>Journal of Pediatrics</i> , 2019, 207, 130-135.e2.	1.8	42
40	Recent Advances in Pathophysiology and Management of Transient Tachypnea of Newborn. <i>Journal of Perinatology</i> , 2021, 41, 6-16.	2.0	41
41	Neonatal hyperoxia increases airway reactivity and inflammation in adult mice. <i>Pediatric Pulmonology</i> , 2016, 51, 1131-1141.	2.0	39
42	Preterm cord blood CD4+ T cells exhibit increased IL-6 production in chorioamnionitis and decreased CD4+ T cells in bronchopulmonary dysplasia. <i>Human Immunology</i> , 2015, 76, 329-338.	2.4	38
43	TRANSFORMING GROWTH FACTOR ALPHA (TGF α) IS INCREASED DURING HYPEROXIA AND FIBROSIS. <i>Experimental Lung Research</i> , 2002, 28, 361-372.	1.2	35
44	T cell developmental arrest in former premature infants increases risk of respiratory morbidity later in infancy. <i>JCI Insight</i> , 2018, 3, .	5.0	34
45	Respiratory Medications in Infants <29 Weeks during the First Year Postdischarge: The Prematurity and Respiratory Outcomes Program (PROP) Consortium. <i>Journal of Pediatrics</i> , 2019, 208, 148-155.e3.	1.8	31
46	Postnatal steroid management in preterm infants with evolving bronchopulmonary dysplasia. <i>Journal of Perinatology</i> , 2021, 41, 1783-1796.	2.0	31
47	Acute Responses to Diuretic Therapy in Extremely Low Gestational Age Newborns: Results from the Prematurity and Respiratory Outcomes Program Cohort Study. <i>Journal of Pediatrics</i> , 2018, 197, 42-47.e1.	1.8	30
48	Effect of enhanced ultraviolet germicidal irradiation in the heating ventilation and air conditioning system on ventilator-associated pneumonia in a neonatal intensive care unit. <i>Journal of Perinatology</i> , 2011, 31, 607-614.	2.0	29
49	Cellular and Molecular Responses to Lung Injury in Relation to Induction of Tissue Repair and Fibrosis. <i>Clinics in Perinatology</i> , 1992, 19, 603-620.	2.1	28
50	Prostacyclin and milrinone by aerosolization improve pulmonary hemodynamics in newborn lambs with experimental pulmonary hypertension. <i>Journal of Applied Physiology</i> , 2010, 109, 677-684.	2.5	28
51	Effects of Prostacyclin and Milrinone on Pulmonary Hemodynamics in Newborn Lambs With Persistent Pulmonary Hypertension Induced by Ductal Ligation. <i>Pediatric Research</i> , 2006, 60, 624-629.	2.3	26
52	The Randomized, Controlled Trial of Late Surfactant: Effects on Respiratory Outcomes at 1-Year Corrected Age. <i>Journal of Pediatrics</i> , 2017, 183, 19-25.e2.	1.8	25
53	Time to reintroduction of feeding in infants with nonsurgical necrotizing enterocolitis. <i>Journal of Pediatric Surgery</i> , 2018, 53, 1187-1191.	1.6	25
54	Respiratory medication use in extremely premature (<29 weeks) infants during initial NICU hospitalization: Results from the prematurity and respiratory outcomes program. <i>Pediatric Pulmonology</i> , 2020, 55, 360-368.	2.0	25

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55	Hyperoxia increases keratinocyte growth factor mRNA expression in neonatal rabbit lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 276, L105-L113.	2.9	24
56	Developmentally determined reduction in CD31 during gestation is associated with CD8 + T cell effector differentiation in preterm infants. <i>Clinical Immunology</i> , 2015, 161, 65-74.	3.2	24
57	Earlier re-initiation of enteral feeding after necrotizing enterocolitis decreases recurrence or stricture: a systematic review and meta-analysis. <i>Journal of Perinatology</i> , 2020, 40, 1679-1687.	2.0	24
58	Long-Term Effects of Neonatal Hyperoxia in Adult Mice. <i>Anatomical Record</i> , 2018, 301, 717-726.	1.4	23
59	Exposure to Supplemental Oxygen Downregulates Antioxidant Enzymes and Increases Pulmonary Arterial Contractility in Premature Lambs. <i>Neonatology</i> , 2009, 96, 182-192.	2.0	22
60	A new look at bronchopulmonary dysplasia classification. <i>Journal of Perinatology</i> , 2006, 26, 207-209.	2.0	21
61	Immunogenicity of Trivalent Influenza Vaccine in Extremely Low-birth-weight, Premature Versus Term Infants. <i>Pediatric Infectious Disease Journal</i> , 2011, 30, 570-574.	2.0	21
62	Endovascular treatment of renal artery thrombosis caused by umbilical artery catheterization. <i>Journal of Vascular Surgery</i> , 1998, 28, 949-953.	1.1	20
63	Mechanical Ventilation Down-Regulates Surfactant Protein A and Keratinocyte Growth Factor Expression in Premature Rabbits. <i>Pediatric Research</i> , 2007, 62, 277-282.	2.3	19
64	Tyrosine Kinase Activity Is Necessary for Growth Factor-Stimulated Rabbit Type II Pneumocyte Proliferation. <i>Pediatric Research</i> , 1994, 36, 481-486.	2.3	18
65	H441 Pulmonary Epithelial Cell Mitogenic Effects and Signaling Pathways in Response to Hgf and Tgf- β . <i>Experimental Lung Research</i> , 1998, 24, 27-39.	1.2	18
66	Pleural Effusion with Parenteral Nutrition Solution: An Unusual Complication of an "Appropriately" Placed Umbilical Venous Catheter. <i>American Journal of Perinatology</i> , 2007, 24, 581-585.	1.4	18
67	Late administration of surfactant replacement therapy increases surfactant protein-B content: a randomized pilot study. <i>Pediatric Research</i> , 2012, 72, 613-619.	2.3	18
68	Pilot trial of late booster doses of surfactant for ventilated premature infants. <i>Journal of Perinatology</i> , 2011, 31, 599-606.	2.0	17
69	Flow-based sorting of neonatal lymphocyte populations for transcriptomics analysis. <i>Journal of Immunological Methods</i> , 2016, 437, 13-20.	1.4	17
70	Exposure to Supplemental Oxygen and Its Effects on Oxidative Stress and Antioxidant Enzyme Activity in Term Newborn Lambs. <i>Pediatric Research</i> , 2010, 67, 66-71.	2.3	16
71	Interstitial deletion of 8q21 associated with minor anomalies, congenital heart defect, and Dandy-Walker variant. <i>American Journal of Medical Genetics Part A</i> , 1995, 56, 97-100.	2.4	14
72	Title is missing!. <i>Journal of Pediatrics</i> , 1995, 126, 324.	1.8	14

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73	Maternal Black Race and Persistent Wheezing Illness in Former Extremely Low Gestational Age Newborns: Secondary Analysis of a Randomized Trial. <i>Journal of Pediatrics</i> , 2018, 198, 201-208.e3.	1.8	14
74	Neonatal Respiratory Distress Secondary to Meconium Aspiration Syndrome. <i>Children</i> , 2021, 8, 246.	1.5	14
75	Lymphocyte-Specific Biomarkers Associated With Preterm Birth and Bronchopulmonary Dysplasia. <i>Frontiers in Immunology</i> , 2020, 11, 563473.	4.8	13
76	Molecular Mechanisms of Maternal Diabetes Effects on Fetal and Neonatal Surfactant. <i>Children</i> , 2021, 8, 281.	1.5	13
77	Dysfunctional lactate metabolism in human alveolar type II cells from idiopathic pulmonary fibrosis lung explant tissue. <i>Respiratory Research</i> , 2021, 22, 278.	3.6	13
78	Inhaled Nitric Oxide Increases Urinary Nitric Oxide Metabolites and Cyclic Guanosine Monophosphate in Premature Infants: Relationship to Pulmonary Outcome. <i>American Journal of Perinatology</i> , 2015, 32, 225-232.	1.4	12
79	Introducing Less-Invasive Surfactant Administration into a Level IV NICU: A Quality Improvement Initiative. <i>Children</i> , 2021, 8, 580.	1.5	12
80	Galactorrhea with metoclopramide use in the neonatal unit. <i>Journal of Perinatology</i> , 2009, 29, 391-392.	2.0	11
81	Resident Duty Hour Restrictions: Is Less Really More?. <i>Journal of Pediatrics</i> , 2009, 154, 631-632.e1.	1.8	11
82	Parathyroid hormone-related protein response to hyperoxic lung injury. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002, 282, L1198-L1208.	2.9	10
83	Effects of Hyperoxia on Tumor Necrosis Factor $\hat{\alpha}$ and Gro $\hat{\alpha}$ Expression in Newborn Rabbit Lungs. <i>Lung</i> , 2003, 181, 335-346.	3.3	10
84	Adjacent bronchus attenuates pulmonary arterial contractility. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 291, L473-L478.	2.9	9
85	Ontogeny of Atrial Natriuretic Peptide and Its Receptor In the Lung: Effects on Perinatal Surfactant Release. <i>Pediatric Research</i> , 2008, 63, 239-244.	2.3	9
86	<i>Nfib</i> hemizygous mice are protected from hyperoxic lung injury and death. <i>Physiological Reports</i> , 2017, 5, e13398.	1.7	8
87	Decreasing prevalence of cerebral palsy in birth cohorts in South Carolina using Medicaid, disability service, and hospital discharge data, 1996 to 2009. <i>Developmental Medicine and Child Neurology</i> , 2019, 61, 593-600.	2.1	8
88	Retrospective Analysis of Short-Term Respiratory Outcomes of Three Different Steroids Used in Clinical Practice in Intubated Preterm Infants. <i>American Journal of Perinatology</i> , 2020, 37, 1425-1431.	1.4	7
89	Ovine bronchial-derived relaxing factor: changes with development and hyperoxic ventilation. <i>Journal of Applied Physiology</i> , 2006, 101, 135-139.	2.5	6
90	C-type natriuretic peptide and its receptor are downregulated in pulmonary epithelium following birth. <i>Histochemistry and Cell Biology</i> , 2006, 126, 317-324.	1.7	6

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91	Methemoglobin to cumulative nitric oxide ratio and response to inhaled nitric oxide in PPHN. Journal of Perinatology, 2009, 29, 698-701.	2.0	6
92	Structure of the Respiratory System. , 2011, , 490-498.		6
93	A quality improvement initiative to standardize time to initiation of enteral feeds after non-surgical necrotizing enterocolitis using a consensus-based guideline. Journal of Perinatology, 2022, , .	2.0	6
94	Secretion of Transforming Growth Factor- β (TGF β) by Postnatal Rabbit Alveolar Macrophages. Pediatric Research, 1995, 38, 49-54.	2.3	5
95	Risk factors and management of transient tachypnea of the newborn. Pediatric Health, 2009, 3, 251-260.	0.3	5
96	Oxygen resuscitation and oxidative-stress biomarkers in premature infants. Research and Reports in Neonatology, 2014, , 91.	0.2	5
97	Natriuretic peptide C receptor in the developing sheep lung: role in perinatal transition. Pediatric Research, 2017, 82, 349-355.	2.3	5
98	Urine gastrin-releasing peptide in the first week correlates with bronchopulmonary dysplasia and post-prematurity respiratory disease. Pediatric Pulmonology, 2020, 55, 899-908.	2.0	5
99	NICU infants who require a feeding gastrostomy for discharge. Journal of Pediatric Surgery, 2021, 56, 449-453.	1.6	5
100	Genetic Testing for Neonatal Respiratory Disease. Children, 2021, 8, 216.	1.5	5
101	White blood cell left shift in a neonate: a case of mistaken identity. Journal of Perinatology, 2006, 26, 378-380.	2.0	4
102	A predictive model for preterm babies born ≤ 30 weeks gestational age who will not attain full oral feedings. Journal of Perinatology, 2022, 42, 126-131.	2.0	4
103	Intermittent "bulge"™ in the umbilical cord. Journal of Perinatology, 2010, 30, 500-502.	2.0	3
104	Severity of respiratory disease is correlated with time of first oral feeding and need for a gastrostomy tube at discharge in premature infants born at ≤ 30 weeks of gestation. Pediatric Pulmonology, 2022, 57, 193-199.	2.0	3
105	Premature Infants: Analysis of Serum Phosphate during the First 4 Weeks of Life. American Journal of Perinatology, 2007, 24, 327-330.	1.4	2
106	Characterization of endothelium-dependent and -independent processes in occipital artery of the rat: relevance to control of blood flow to nodose sensory cells. Journal of Applied Physiology, 2021, 131, 1067-1079.	2.5	2
107	Dexamethasone Alters Tracheal Aspirate T-Cell Cytokine Production in Ventilated Preterm Infants. Children, 2021, 8, 879.	1.5	2
108	Organization of Neonatal Training Program Directors Council responds to the ACGME 2010 Proposed Standards. Journal of Perinatology, 2011, 31, 296-297.	2.0	1

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109	Fetal Lung Development and Function. , 2018, , 415-421.		1
110	Antioxidant MnTBAP does not protect adult mice from neonatal hyperoxic lung injury. Respiratory Physiology and Neurobiology, 2020, 282, 103545.	1.6	1
111	Interventional nutritional protocol decreases osteopenia of prematurity in extremely low birth weight infants. Journal of Neonatal-Perinatal Medicine, 2012, 5, 33-40.	0.8	0
112	Pursuing Research Careers in Pediatrics: Hope Springs Eternal. Journal of Pediatrics, 2017, 186, 4-5.	1.8	0
113	Bronchopulmonary Dysplasia, the Chronic Lung Disease of Premature Infants. , 2020, , 1-12.		0
114	Journal of Perinatology Editorial Updates 2021. Journal of Perinatology, 2021, 41, 917-922.	2.0	0
115	2020 year in review: Neonatal pulmonology. Pediatric Pulmonology, 2021, 56, 3577-3579.	2.0	0
116	Oxygen and steroids affect the regulatory role of natriuretic peptide receptor-C on surfactant secretion by type II cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2022, 322, L13-L22.	2.9	0