

Steven H Abman

List of Publications by Year in descending order

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185
papers

12,448
citations

31976

53
h-index

27406

106
g-index

211
all docs

211
docs citations

211
times ranked

6552
citing authors

#	ARTICLE	IF	CITATIONS
1	Pediatric Pulmonary Hypertension. <i>Circulation</i> , 2015, 132, 2037-2099.	1.6	879
2	Inhibition of angiogenesis decreases alveolarization in the developing rat lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000, 279, L600-L607.	2.9	572
3	Bronchopulmonary dysplasia. <i>Nature Reviews Disease Primers</i> , 2019, 5, 78.	30.5	541
4	Randomized, multicenter trial of inhaled nitric oxide and high-frequency oscillatory ventilation in severe, persistent pulmonary hypertension of the newborn. <i>Journal of Pediatrics</i> , 1997, 131, 55-62.	1.8	531
5	Bronchopulmonary Dysplasia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 175, 978-985.	5.6	489
6	Pediatric Pulmonary Hypertension. <i>Journal of the American College of Cardiology</i> , 2013, 62, D117-D126.	2.8	451
7	Paediatric pulmonary arterial hypertension: updates on definition, classification, diagnostics and management. <i>European Respiratory Journal</i> , 2019, 53, 1801916.	6.7	399
8	Early Inhaled Nitric Oxide Therapy in Premature Newborns with Respiratory Failure. <i>New England Journal of Medicine</i> , 2006, 355, 354-364.	27.0	343
9	Early Pulmonary Vascular Disease in Preterm Infants at Risk for Bronchopulmonary Dysplasia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2015, 191, 87-95.	5.6	336
10	Treatment of newborn rats with a VEGF receptor inhibitor causes pulmonary hypertension and abnormal lung structure. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2002, 283, L555-L562.	2.9	330
11	Bronchopulmonary Dysplasia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2001, 164, 1755-1756.	5.6	326
12	Clinical responses to prolonged treatment of persistent pulmonary hypertension of the newborn with low doses of inhaled nitric oxide. <i>Journal of Pediatrics</i> , 1993, 123, 103-108.	1.8	317
13	Interdisciplinary Care of Children with Severe Bronchopulmonary Dysplasia. <i>Journal of Pediatrics</i> , 2017, 181, 12-28.e1.	1.8	286
14	A Consensus Approach to the Classification of Pediatric Pulmonary Hypertensive Vascular Disease: Report from the PVRI Pediatric Taskforce, Panama 2011. <i>Pulmonary Circulation</i> , 2011, 1, 286-298.	1.7	215
15	Bronchopulmonary Dysplasia: NHLBI Workshop on the Primary Prevention of Chronic Lung Diseases. <i>Annals of the American Thoracic Society</i> , 2014, 11, S146-S153.	3.2	206
16	Recombinant human VEGF treatment enhances alveolarization after hyperoxic lung injury in neonatal rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005, 289, L529-L535.	2.9	186
17	Pulmonary Vascular Effects of Inhaled Nitric Oxide and Oxygen Tension in Bronchopulmonary Dysplasia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2004, 170, 1006-1013.	5.6	181
18	Intrauterine growth restriction decreases pulmonary alveolar and vessel growth and causes pulmonary artery endothelial cell dysfunction in vitro in fetal sheep. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 301, L860-L871.	2.9	176

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19	Evaluation and Management of Pulmonary Hypertension in Children with Bronchopulmonary Dysplasia. <i>Journal of Pediatrics</i> , 2017, 188, 24-34.e1.	1.8	175
20	Pulmonary Vascular Response to Oxygen in Infants with Severe Bronchopulmonary Dysplasia. <i>Pediatrics</i> , 1985, 75, 80-84.	2.1	171
21	Inhaled Nitric Oxide Enhances Distal Lung Growth after Exposure to Hyperoxia in Neonatal Rats. <i>Pediatric Research</i> , 2005, 58, 22-29.	2.3	168
22	Nitric Oxide Deficiency and Endothelial Dysfunction in Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 188, 639-646.	5.6	165
23	Effects of Inhaled Nitric Oxide on Pulmonary Edema and Lung Neutrophil Accumulation in Severe Experimental Hyaline Membrane Disease. <i>Pediatric Research</i> , 1997, 41, 457-463.	2.3	163
24	Pulmonary Hypertension and Vascular Abnormalities in Bronchopulmonary Dysplasia. <i>Clinics in Perinatology</i> , 2015, 42, 839-855.	2.1	156
25	Excess soluble vascular endothelial growth factor receptor-1 in amniotic fluid impairs lung growth in rats: linking preeclampsia with bronchopulmonary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 302, L36-L46.	2.9	129
26	Antenatal Determinants of Bronchopulmonary Dysplasia and Late Respiratory Disease in Preterm Infants. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 196, 364-374.	5.6	128
27	Cord blood angiogenic progenitor cells are decreased in bronchopulmonary dysplasia. <i>European Respiratory Journal</i> , 2012, 40, 1516-1522.	6.7	124
28	Chronic Pulmonary Insufficiency of Prematurity: Developing Optimal Endpoints for Drug Development. <i>Journal of Pediatrics</i> , 2017, 191, 15-21.e1.	1.8	108
29	Pulmonary Hypertension in Preterm Infants with Bronchopulmonary Dysplasia. <i>Pediatric, Allergy, Immunology, and Pulmonology</i> , 2014, 27, 8-16.	0.8	106
30	Recombinant human VEGF treatment transiently increases lung edema but enhances lung structure after neonatal hyperoxia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 291, L1068-L1078.	2.9	101
31	Implications of the U.S. Food and Drug Administration Warning against the Use of Sildenafil for the Treatment of Pediatric Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2013, 187, 572-575.	5.6	99
32	Noninvasive delivery of inhaled nitric oxide therapy for late pulmonary hypertension in newborn infants with congenital diaphragmatic hernia. <i>Journal of Pediatrics</i> , 2003, 142, 397-401.	1.8	93
33	The Evolution of Bronchopulmonary Dysplasia after 50 Years. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 421-424.	5.6	90
34	Inhaled NO restores lung structure in eNOS-deficient mice recovering from neonatal hypoxia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2006, 291, L119-L127.	2.9	89
35	Intrauterine hypertension decreases lung VEGF expression and VEGF inhibition causes pulmonary hypertension in the ovine fetus. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 284, L508-L517.	2.9	86
36	Impaired Vascular Endothelial Growth Factor Signaling in the Pathogenesis of Neonatal Pulmonary Vascular Disease. <i>Advances in Experimental Medicine and Biology</i> , 2010, 661, 323-335.	1.6	84

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37	Clinical Characteristics and Risk Factors for Developing Pulmonary Hypertension in Children with Down Syndrome. <i>Journal of Pediatrics</i> , 2018, 202, 212-219.e2.	1.8	81
38	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
39	The Left Ventricle in Congenital Diaphragmatic Hernia: Implications for the Management of Pulmonary Hypertension. <i>Journal of Pediatrics</i> , 2018, 197, 17-22.	1.8	79
40	The pulmonary circulation in bronchopulmonary dysplasia. <i>Seminars in Fetal and Neonatal Medicine</i> , 2003, 8, 51-61.	2.7	77
41	Left Ventricular Diastolic Dysfunction in Bronchopulmonary Dysplasia. <i>Journal of Pediatrics</i> , 2008, 152, 291-293.	1.8	72
42	Recommendations for the Use of Inhaled Nitric Oxide Therapy in Premature Newborns with Severe Pulmonary Hypertension. <i>Journal of Pediatrics</i> , 2016, 170, 312-314.	1.8	70
43	Pulmonary Arterial Hypertension: Diagnosis, Treatment, and Novel Advances. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2021, 203, 1472-1487.	5.6	68
44	In Vivo Evidence for a Myogenic Response in the Fetal Pulmonary Circulation. <i>Pediatric Research</i> , 1999, 45, 425-431.	2.3	67
45	Prominent Intrapulmonary Bronchopulmonary Anastomoses and Abnormal Lung Development in Infants and Children with Down Syndrome. <i>Journal of Pediatrics</i> , 2017, 180, 156-162.e1.	1.8	65
46	VEGF and endothelium-derived retinoic acid regulate lung vascular and alveolar development. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L287-L298.	2.9	63
47	Anti-Flt-1 Therapy Preserves Lung Alveolar and Vascular Growth in Antenatal Models of Bronchopulmonary Dysplasia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 197, 776-787.	5.6	63
48	Recent advances in antenatal factors predisposing to bronchopulmonary dysplasia. <i>Seminars in Perinatology</i> , 2018, 42, 413-424.	2.5	63
49	Histologic Evidence of Intrapulmonary Anastomoses by Three-Dimensional Reconstruction in Severe Bronchopulmonary Dysplasia. <i>Annals of the American Thoracic Society</i> , 2013, 10, 474-481.	3.2	62
50	Early Pulmonary Vascular Disease in Preterm Infants Is Associated with Late Respiratory Outcomes in Childhood. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 199, 1020-1027.	5.6	62
51	Airway Microbial Community Turnover Differs by BPD Severity in Ventilated Preterm Infants. <i>PLoS ONE</i> , 2017, 12, e0170120.	2.5	62
52	Enhancing Insights into Pulmonary Vascular Disease through a Precision Medicine Approach. A Joint NHLBI Cardiovascular Medical Research and Education Fund Workshop Report. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 1661-1670.	5.6	59
53	Intrapulmonary Bronchopulmonary Anastomoses and Plexiform Lesions in Idiopathic Pulmonary Arterial Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2016, 193, 574-576.	5.6	58
54	Scope and Impact of Early and Late Preterm Infants Admitted to the PICU with Respiratory Illness. <i>Journal of Pediatrics</i> , 2010, 157, 209-214.e1.	1.8	57

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55	Moderate postnatal hyperoxia accelerates lung growth and attenuates pulmonary hypertension in infant rats after exposure to intra-amniotic endotoxin. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010, 299, L735-L748.	2.9	57
56	Hypoxia-inducible factors HIF-1 α and HIF-2 α are decreased in an experimental model of severe respiratory distress syndrome in preterm lambs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L1345-L1351.	2.9	56
57	Vasopressin Improves Hemodynamic Status in Infants with Congenital Diaphragmatic Hernia. <i>Journal of Pediatrics</i> , 2014, 165, 53-58.e1.	1.8	48
58	Brief perinatal hypoxia increases severity of pulmonary hypertension after reexposure to hypoxia in infant rats. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000, 278, L356-L364.	2.9	45
59	Three-Dimensional Reconstruction Identifies Misaligned Pulmonary Veins as Intrapulmonary Shunt Vessels in Alveolar Capillary Dysplasia. <i>Journal of Pediatrics</i> , 2014, 164, 192-195.	1.8	45
60	Intrapulmonary vascular shunt pathways in alveolar capillary dysplasia with misalignment of pulmonary veins. <i>Thorax</i> , 2015, 70, 84-85.	5.6	45
61	rhIGF-1/BP3 Preserves Lung Growth and Prevents Pulmonary Hypertension in Experimental Bronchopulmonary Dysplasia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 201, 1120-1134.	5.6	43
62	Characterisation of paediatric pulmonary hypertensive vascular disease from the PPHNet Registry. <i>European Respiratory Journal</i> , 2022, 59, 2003337.	6.7	43
63	Inhaled Nitric Oxide in the Premature Newborn. <i>Journal of Pediatrics</i> , 2007, 151, 10-15.	1.8	42
64	Association of the dysfunctional placentation endotype of prematurity with bronchopulmonary dysplasia: a systematic review, meta-analysis and meta-regression. <i>Thorax</i> , 2022, 77, 268-275.	5.6	42
65	Translational Advances in the Field of Pulmonary Hypertension on Developmental Origins and Disease Inception for the Prevention of Pulmonary Hypertension. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2017, 195, 292-301.	5.6	42
66	Effects of Early Inhaled Nitric Oxide Therapy and Vitamin A Supplementation on the Risk for Bronchopulmonary Dysplasia in Premature Newborns with Respiratory Failure. <i>Journal of Pediatrics</i> , 2014, 164, 744-748.	1.8	41
67	Placental Insufficiency Decreases Pancreatic Vascularity and Disrupts Hepatocyte Growth Factor Signaling in the Pancreatic Islet Endothelial Cell in Fetal Sheep. <i>Diabetes</i> , 2015, 64, 555-564.	0.6	39
68	Drugs for the Prevention and Treatment of Bronchopulmonary Dysplasia. <i>Clinics in Perinatology</i> , 2019, 46, 291-310.	2.1	39
69	Hepatocyte growth factor as a downstream mediator of vascular endothelial growth factor-dependent preservation of growth in the developing lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L1098-L1110.	2.9	38
70	Proximal pulmonary vascular stiffness as a prognostic factor in children with pulmonary arterial hypertension. <i>European Heart Journal Cardiovascular Imaging</i> , 2019, 20, 209-217.	1.2	36
71	Risk Assessment and Monitoring of Chronic Pulmonary Hypertension in Premature Infants. <i>Journal of Pediatrics</i> , 2020, 217, 199-209.e4.	1.8	36
72	Reliability of Echocardiographic Indicators of Pulmonary Vascular Disease in Preterm Infants at Risk for Bronchopulmonary Dysplasia. <i>Journal of Pediatrics</i> , 2017, 186, 29-33.	1.8	35

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73	Persistent pulmonary hypertension of the newborn. <i>Pediatric Pulmonology</i> , 2021, 56, 661-669.	2.0	35
74	Role of neuronal nitric oxide synthase in regulation of vascular and ductus arteriosus tone in the ovine fetus. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000, 278, L105-L110.	2.9	33
75	Acute Intrauterine Pulmonary Hypertension Impairs Endothelium-Dependent Vasodilation in the Ovine Fetus. <i>Pediatric Research</i> , 1999, 45, 575-581.	2.3	33
76	Chronic intrauterine pulmonary hypertension increases endothelial cell Rho kinase activity and impairs angiogenesis in vitro. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 295, L680-L687.	2.9	32
77	Retrospective Analysis of an Interdisciplinary Ventilator Care Program Intervention on Survival of Infants with Ventilator-Dependent Bronchopulmonary Dysplasia. <i>American Journal of Perinatology</i> , 2017, 34, 155-163.	1.4	32
78	Maturation Changes in Diastolic Longitudinal Myocardial Velocity in Preterm Infants. <i>Journal of the American Society of Echocardiography</i> , 2015, 28, 1045-1052.	2.8	31
79	Adaptation of Fetal Pulmonary Blood Flow to Local Infusion of Tolazoline. <i>Pediatric Research</i> , 1986, 20, 1131-1135.	2.3	30
80	Histologic Identification of Prominent Intrapulmonary Anastomotic Vessels in Severe Congenital Diaphragmatic Hernia. <i>Journal of Pediatrics</i> , 2015, 166, 178-183.	1.8	30
81	Bronchopulmonary Dysplasia: A Continuum of Lung Disease from the Fetus to the Adult. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2019, 200, 659-660.	5.6	30
82	Perinatal Hypoxia-Inducible Factor Stabilization Preserves Lung Alveolar and Vascular Growth in Experimental Bronchopulmonary Dysplasia. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2020, 202, 1146-1158.	5.6	30
83	Impaired VEGF and nitric oxide signaling after nitrofen exposure in rat fetal lung explants. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2008, 294, L110-L120.	2.9	29
84	Towards improving the care of children with pulmonary hypertension: The rationale for developing a Pediatric Pulmonary Hypertension Network. <i>Progress in Pediatric Cardiology</i> , 2009, 27, 3-6.	0.4	29
85	Apparent Aortic Stiffness in Children With Pulmonary Arterial Hypertension. <i>Circulation: Cardiovascular Imaging</i> , 2017, 10, .	2.6	29
86	Cotyledon and binucleate cell nitric oxide synthase expression in an ovine model of fetal growth restriction. <i>Journal of Applied Physiology</i> , 2001, 90, 2420-2426.	2.5	28
87	Noninvasive wave intensity analysis predicts functional worsening in children with pulmonary arterial hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2018, 315, H968-H977.	3.2	28
88	Acute Vasoreactivity Testing during Cardiac Catheterization of Neonates with Bronchopulmonary Dysplasia-Associated Pulmonary Hypertension. <i>Journal of Pediatrics</i> , 2019, 208, 127-133.	1.8	28
89	rhVEGF treatment preserves pulmonary vascular reactivity and structure in an experimental model of pulmonary hypertension in fetal sheep. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2005, 289, L315-L321.	2.9	26
90	K ⁺ -channel blockade inhibits shear stress-induced pulmonary vasodilation in the ovine fetus. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 1999, 276, L220-L228.	2.9	25

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91	Pulmonary hypertension in children: A historical overview. <i>Pediatric Critical Care Medicine</i> , 2010, 11, S4-S9.	0.5	25
92	Effect of electrical dyssynchrony on left and right ventricular mechanics in children with pulmonary arterial hypertension. <i>Journal of Heart and Lung Transplantation</i> , 2018, 37, 870-878.	0.6	25
93	Infant lung function after inhaled nitric oxide therapy for persistent pulmonary hypertension of the newborn. , 1999, 28, 24-30.		24
94	Characterization of CMR-derived haemodynamic data in children with pulmonary arterial hypertension. <i>European Heart Journal Cardiovascular Imaging</i> , 2016, 18, jew152.	1.2	24
95	Quantifying three-dimensional rodent retina vascular development using optical tissue clearing and light-sheet microscopy. <i>Journal of Biomedical Optics</i> , 2017, 22, 1.	2.6	24
96	Invasive mechanical ventilation at 36 weeks post-menstrual age, adverse outcomes with a comparison of recent definitions of bronchopulmonary dysplasia. <i>Journal of Perinatology</i> , 2021, 41, 1936-1942.	2.0	24
97	Persistent Challenges in Pediatric Pulmonary Hypertension. <i>Chest</i> , 2016, 150, 226-236.	0.8	23
98	Fetal Vascular Origins of Bronchopulmonary Dysplasia. <i>Journal of Pediatrics</i> , 2017, 185, 7-10.e1.	1.8	23
99	Repetitive Prenatal Glucocorticoids Increase Lung Endothelial Nitric Oxide Synthase Expression in Ovine Fetuses Delivered at Term. <i>Pediatric Research</i> , 2000, 48, 75-83.	2.3	23
100	Pulmonary vascular extraction of circulating norepinephrine in infants with bronchopulmonary dysplasia. <i>Pediatric Pulmonology</i> , 1987, 3, 386-391.	2.0	22
101	Intrapulmonary bronchopulmonary anastomoses in COVID-19 respiratory failure. <i>European Respiratory Journal</i> , 2021, 58, 2004397.	6.7	22
102	Inhaled Nitric Oxide for the Treatment of Pulmonary Arterial Hypertension. <i>Handbook of Experimental Pharmacology</i> , 2013, 218, 257-276.	1.8	22
103	Automatic and adaptive heterogeneous refractive index compensation for light-sheet microscopy. <i>Nature Communications</i> , 2017, 8, 612.	12.8	21
104	The importance of trustworthiness: lessons from the COVID-19 pandemic. <i>Pediatric Research</i> , 2022, 91, 482-485.	2.3	21
105	Chronic intrauterine pulmonary hypertension decreases calcium-sensitive potassium channel mRNA expression. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2000, 279, L857-L862.	2.9	20
106	The Relationship of Novel Plasma Proteins in the Early Neonatal Period With Retinopathy of Prematurity. , 2016, 57, 5076.		20
107	Echocardiographic Measurements of Right Ventricular Mechanics in Infants with Bronchopulmonary Dysplasia at 36 Weeks Postmenstrual Age. <i>Journal of Pediatrics</i> , 2018, 203, 210-217.e1.	1.8	20
108	Physiological aspects of cardiopulmonary dysanapsis on exercise in adults born preterm. <i>Journal of Physiology</i> , 2022, 600, 463-482.	2.9	20

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109	Fat-soluble vitamins in infants identified by cystic fibrosis newborn screening. <i>Pediatric Pulmonology</i> , 1991, 11, 52-55.	2.0	19
110	Novel measures of left ventricular electromechanical discoordination predict clinical outcomes in children with pulmonary arterial hypertension. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2020, 318, H401-H412.	3.2	18
111	Patching the Pipeline: Creation and Retention of the Next Generation of Physician-Scientists for Child Health Research. <i>Journal of Pediatrics</i> , 2014, 165, 882-884.e1.	1.8	17
112	Pulmonary Hypertension: The Hidden Danger for Newborns. <i>Neonatology</i> , 2021, 118, 211-217.	2.0	17
113	Established severe BPD: is there a way out? Change of ventilatory paradigms. <i>Pediatric Research</i> , 2021, 90, 1139-1146.	2.3	17
114	Altered pulmonary artery endothelial-smooth muscle cell interactions in experimental congenital diaphragmatic hernia. <i>Pediatric Research</i> , 2015, 77, 511-519.	2.3	16
115	Endothelin-Rho kinase interactions impair lung structure and cause pulmonary hypertension after bleomycin exposure in neonatal rat pups. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 311, L1090-L1100.	2.9	14
116	Maternal Vitamin D Deficiency Causes Sustained Impairment of Lung Structure and Function and Increases Susceptibility to Hyperoxia-induced Lung Injury in Infant Rats. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2020, 63, 79-91.	2.9	14
117	Intrauterine endotoxin-induced impairs pulmonary vascular function and right ventricular performance in infant rats and improvement with early vitamin D therapy. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2015, 309, L1438-L1446.	2.9	13
118	Lung Structure at Preterm and Term Birth. , 2016, , 126-140.		13
119	Just Say No to iNO in Preterms-Really?. <i>Journal of Pediatrics</i> , 2020, 218, 243-252.	1.8	13
120	Adverse drug event rates in pediatric pulmonary hypertension: a comparison of real-world data sources. <i>Journal of the American Medical Informatics Association: JAMIA</i> , 2020, 27, 294-300.	4.4	13
121	Vascular Endothelial Growth Factor: Not Only for Vessels Anymore. <i>Pediatric Research</i> , 2003, 53, 1-1.	2.3	13
122	Antenatal mesenchymal stromal cell extracellular vesicle treatment preserves lung development in a model of bronchopulmonary dysplasia due to chorioamnionitis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2022, 322, L179-L190.	2.9	12
123	Greater Risk of Hospitalization in Children With Down Syndrome and OSA at Higher Elevation. <i>Chest</i> , 2015, 147, 1344-1351.	0.8	11
124	Evolving Challenges in Pediatric Pulmonary Medicine. New Opportunities to Reinvigorate the Field. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2018, 198, 724-729.	5.6	11
125	Measuring Flow Hemodynamic Indices and Oxygen Consumption in Children with Pulmonary Hypertension: A Comparison of Catheterization and Phase-Contrast MRI. <i>Pediatric Cardiology</i> , 2018, 39, 268-274.	1.3	11
126	Enhancing the Development and Retention of Physician-Scientists in Academic Pediatrics: Strategies for Success. <i>Journal of Pediatrics</i> , 2018, 200, 277-284.	1.8	11

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127	A proposal for the addressing the needs of the pediatric pulmonary work force. <i>Pediatric Pulmonology</i> , 2020, 55, 1859-1867.	2.0	11
128	Histologic Evidence of Intrapulmonary Bronchopulmonary Anastomotic Pathways in Neonates with Meconium Aspiration Syndrome. <i>Journal of Pediatrics</i> , 2015, 167, 1445-1447.	1.8	10
129	Pulmonary interstitial glycogenosis cells express mesenchymal stem cell markers. <i>European Respiratory Journal</i> , 2020, 56, 2000853.	6.7	10
130	Ventilatory Strategies in Infants with Established Severe Bronchopulmonary Dysplasia: A Multicenter Point Prevalence Study. <i>Journal of Pediatrics</i> , 2022, 242, 248-252.e1.	1.8	10
131	There Is No "œœ" Team: New Challenges for Career Development in the Era of Team Science. <i>Journal of Pediatrics</i> , 2016, 177, 4-5.	1.8	9
132	Angiogenic profile identifies pulmonary hypertension in children with Down syndrome. <i>Pulmonary Circulation</i> , 2019, 9, 1-8.	1.7	9
133	When to say no to inhaled nitric oxide in neonates?. <i>Seminars in Fetal and Neonatal Medicine</i> , 2021, 26, 101200.	2.3	9
134	Pulmonary Vascular Disease and Bronchopulmonary Dysplasia: Evaluation and Treatment of Pulmonary Hypertension. <i>NeoReviews</i> , 2011, 12, e645-e651.	0.8	8
135	Interdisciplinary care for ventilator-dependent infants with chronic lung disease. <i>Journal of Pediatrics</i> , 2014, 165, 1274-1275.	1.8	8
136	Vascular Disorders of Pregnancy Increase Susceptibility to Neonatal Pulmonary Hypertension in High-Altitude Populations. <i>Hypertension</i> , 2022, 79, 1286-1296.	2.7	8
137	Acute vasoreactivity testing in pediatric idiopathic pulmonary arterial hypertension: an international survey on current practice. <i>Pulmonary Circulation</i> , 2019, 9, 1-9.	1.7	7
138	Pulmonary Vascular Disease in Bronchopulmonary Dysplasia. <i>Advances in Pulmonary Hypertension</i> , 2016, 15, 92-99.	0.1	7
139	Pulmonary hypertension in older children: New approaches and therapies. <i>Paediatric Respiratory Reviews</i> , 2006, 7, S177-S179.	1.8	6
140	Oxygen Therapy and Pulmonary Hypertension in Preterm Infants. <i>Clinics in Perinatology</i> , 2019, 46, 611-619.	2.1	6
141	Racism and social injustice as determinants of child health: the American Pediatric Society Issue of the Year. <i>Pediatric Research</i> , 2020, 88, 691-693.	2.3	6
142	Cardiac Catheterization and Hemodynamics in a Multicenter Cohort of Children with Pulmonary Hypertension. <i>Annals of the American Thoracic Society</i> , 2022, 19, 1000-1012.	3.2	6
143	Maternal vitamin D deficiency induces transcriptomic changes in newborn rat lungs. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2020, 199, 105613.	2.5	5
144	Pulmonary Vascular Development. , 2016, , 34-57.		4

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145	Heterogeneous response of endothelial cells to insulin like growth factor 1 treatment is explained by spatially clustered subpopulations. <i>Biology Open</i> , 2019, 8, .	1.2	4
146	Beyond the 6-Minute Walk Test for Assessing Pediatric Pulmonary Hypertension. <i>Chest</i> , 2015, 148, 576-577.	0.8	3
147	Early Development of the Mammalian Lung-Branching Morphogenesis. , 2016, , 22-33.		3
148	Lung Growth Through the "Life Course" and Predictors and Determinants of Chronic Respiratory Disorders. , 2016, , 286-302.		3
149	The Genetic Programs Regulating Embryonic Lung Development and Induced Pluripotent Stem Cell Differentiation. , 0, , 1-21.		3
150	Prominent Bronchopulmonary Vascular Anastomoses in Fatal Childhood Asthma. <i>Annals of the American Thoracic Society</i> , 2018, 15, 1359-1362.	3.2	3
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