Vineet Bhandari, Dm

List of Publications by Year
in descending order

208	10,049	34105 52	43889 91
papers	citations	h-index	g-index

267	267	267	9392
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Early CPAP versus Surfactant in Extremely Preterm Infants. New England Journal of Medicine, 2010, 362, 1970-1979.	27.0	1,022
2	Vascular endothelial growth factor (VEGF) induces remodeling and enhances TH2-mediated sensitization and inflammation in the lung. Nature Medicine, 2004, 10, 1095-1103.	30.7	549
3	Hyperoxia causes angiopoietin 2â€“mediated acute lung injury and necrotic cell death. Nature Medicine, 2006, 12, 1286-1293.	30.7	307
4	Familial and Genetic Susceptibility to Major Neonatal Morbidities in Preterm Twins. Pediatrics, 2006, 117, 1901-1906.	2.1	298
5	Pitfalls, Problems, and Progress in Bronchopulmonary Dysplasia. Pediatrics, 2009, 123, 1562-1573.	2.1	210
6	Animal models of bronchopulmonary dysplasia. The term mouse models. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L936-L947.	2.9	208
7	The Human Neonatal Gut Microbiome: A Brief Review. Frontiers in Pediatrics, 2015, 3, 17.	1.9	207
8	Understanding the Impact of Infection, Inflammation, and Their Persistence in the Pathogenesis of Bronchopulmonary Dysplasia. Frontiers in Medicine, 2015, 2, 90.	2.6	153
9	Proteomic Profiling of the Amniotic Fluid to Detect Inflammation, Infection, and Neonatal Sepsis. PLoS Medicine, 2007, 4, e18.	8.4	152
10	Hematologic Profile of Sepsis in Neonates: Neutrophil CD64 as a Diagnostic Marker. Pediatrics, 2008, 121, 129-134.	2.1	151
11	Hyperoxia-derived lung damage in preterm infants. Seminars in Fetal and Neonatal Medicine, 2010, 15, 223-229.	2.3	148
12	Comparative Microbial Analysis of Paired Amniotic Fluid and Cord Blood from Pregnancies Complicated by Preterm Birth and Early-Onset Neonatal Sepsis. PLoS ONE, 2013, 8, e56131.	2.5	143
13	The Airway Microbiome at Birth. Scientific Reports, 2016, 6, 31023.	3.3	139
14	Cytokines in tolerance to hyperoxia-induced injury in the developing and adult lung. Free Radical Biology and Medicine, 2006, 41, 4-18.	2.9	136
15	Early gestational mesenchymal stem cell secretome attenuates experimental bronchopulmonary dysplasia in part via exosome-associated factor TSG-6. Stem Cell Research and Therapy, 2018, 9, 173.	5.5	133
16	Current Incidence of Retinopathy of Prematurity, 1989â€“1997. Pediatrics, 1999, 104, e26-e26.	2.1	127
17	Genetic Susceptibility to Retinopathy of Prematurity. Pediatrics, 2006, 118, 1858-1863.	2.1	112
18	Changing Referral Trends of Acute Pancreatitis in Children: A 12â€year Singleâ€center Analysis. Journal of Pediatric Gastroenterology and Nutrition, 2009, 49, 316-322.	1.8	111

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19	Noninvasive Ventilation for Respiratory Distress Syndrome: A Randomized Controlled Trial. Pediatrics, 2011, 127, 300-307.	2.1	109
20	Morphine Administration and Short-term Pulmonary Outcomes Among Ventilated Preterm Infants. Pediatrics, 2005, 116, 352-359.	2.1	101
21	Essential role of nitric oxide in VEGF-induced, asthma-like angiogenic, inflammatory, mucus, and physiologic responses in the lung. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 11021-11026.	7.1	101
22	Proteomic Biomarkers of Intra-amniotic Inflammation: Relationship with Funisitis and Early-onset Sepsis in the Premature Neonate. Pediatric Research, 2007, 61, 318-324.	2.3	100
23	ELEVATED SERUM ANGIOPOIETIN 2 LEVELS ARE ASSOCIATED WITH INCREASED MORTALITY IN SEPSIS. Shock, 2009, 31, 348-353.	2.1	100
24	Hyperoxia causes miR-34a-mediated injury via angiopoietin-1 in neonatal lungs. Nature Communications, 2017, 8, 1173.	12.8	100
25	The Chitinase-like Proteins Breast Regression Protein-39 and YKL-40 Regulate Hyperoxia-induced Acute Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2010, 182, 918-928.	5.6	99
26	A Comparison of Presentation and Management Trends in Acute Pancreatitis Between Infants/Toddlers and Older Children. Journal of Pediatric Gastroenterology and Nutrition, 2010, 51, 167-170.	1.8	98
27	Diagnosis and management of bronchopulmonary dysplasia. BMJ, The, 2021, 375, n1974.	6.0	97
28	The Genetics of Bronchopulmonary Dysplasia. Seminars in Perinatology, 2006, 30, 185-191.	2.5	95
29	Synchronized Nasal Intermittent Positive-Pressure Ventilation and Neonatal Outcomes. Pediatrics, 2009, 124, 517-526.	2.1	92
30	Postnatal inflammation in the pathogenesis of bronchopulmonary dysplasia. Birth Defects Research Part A: Clinical and Molecular Teratology, 2014, 100, 189-201.	1.6	92
31	Exosomal microRNA predicts and protects against severe bronchopulmonary dysplasia in extremely premature infants. JCI Insight, 2018, 3, .	5.0	89
32	Molecular mechanisms of hyperoxia-induced acute lung injury. Frontiers in Bioscience - Landmark, 2008, Volume, 6653.	3.0	81
33	Airway Microbiome and Development of Bronchopulmonary Dysplasia in Preterm Infants: A Systematic Review. Journal of Pediatrics, 2019, 204, 126-133.e2.	1.8	81
34	Intrapartum fever at term: Serum and histologic markers of inflammation. American Journal of Obstetrics and Gynecology, 2003, 188, 269-274.	1.3	77
35	Characterization of RAGE, HMGB1, and S100Î² in Inflammation-Induced Preterm Birth and Fetal Tissue Injury. American Journal of Pathology, 2009, 175, 958-975.	3.8	77
36	An Analysis of MIF Structural Features that Control Functional Activation of CD74. Chemistry and Biology, 2015, 22, 1197-1205.	6.0	73

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37	Biomarkers in Bronchopulmonary Dysplasia. Paediatric Respiratory Reviews, 2013, 14, 173-179.	1.8	71
38	Effective Biomarkers for Diagnosis of Neonatal Sepsis. Journal of the Pediatric Infectious Diseases Society, 2014, 3, 234-245.	1.3	71
39	Developmental Regulation of NO-Mediated VEGF-Induced Effects in the Lung. American Journal of Respiratory Cell and Molecular Biology, 2008, 39, 420-430.	2.9	70
40	Targeting mitochondrial dysfunction in lung diseases: emphasis on mitophagy. Frontiers in Physiology, 2013, 4, 384.	2.8	70
41	Developmental differences in the responses of IL-6 and IL-13 transgenic mice exposed to hyperoxia. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L142-L150.	2.9	69
42	A Prospective Observational Pilot Study of Synchronized Nasal Intermittent Positive Pressure Ventilation (SNIPPV) as a Primary Mode of Ventilation in Infants â‰¥ 28 Weeks with Respiratory Distress Syndrome (RDS). Journal of Perinatology, 2004, 24, 487-493.	2.0	66
43	Hyperoxia and Interferon-Î³â€“Induced Injury in Developing Lungs Occur via Cyclooxygenase-2 and the Endoplasmic Reticulum Stressâ€“Dependent Pathway. American Journal of Respiratory Cell and Molecular Biology, 2013, 48, 749-757.	2.9	65
44	Inhibition of Regulatory-Associated Protein of Mechanistic Target of Rapamycin Prevents Hyperoxia-Induced Lung Injury by Enhancing Autophagy and Reducing Apoptosis in Neonatal Mice. American Journal of Respiratory Cell and Molecular Biology, 2016, 55, 722-735.	2.9	63
45	Using proteomics in perinatal and neonatal sepsis: hopes and challenges for the future. Current Opinion in Infectious Diseases, 2009, 22, 235-243.	3.1	62
46	Fatty Acid Binding Protein 4 Regulates VEGF-Induced Airway Angiogenesis and Inflammation in a Transgenic Mouse Model. American Journal of Pathology, 2013, 182, 1425-1433.	3.8	62
47	Targeting distinct tautomerase sites of Dâ€ĐT and MIF with a single molecule for inhibition of neutrophil lung recruitment. FASEB Journal, 2014, 28, 4961-4971.	0.5	62
48	A Role for Matrix Metalloproteinase 9 in IFNÎ³-Mediated Injury in Developing Lungs. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 621-630.	2.9	60
49	Biomarkers for the diagnosis of neonatal sepsis and necrotizing enterocolitis: Clinical practice guidelines. Early Human Development, 2017, 105, 25-33.	1.8	60
50	Increased Hyperoxia-Induced Mortality and Acute Lung Injury in IL-13 Null Mice. Journal of Immunology, 2007, 178, 4993-5000.	0.8	57
51	Pulmonary Biomarkers of Bronchopulmonary Dysplasia. Biomarker Insights, 2008, 3, BMI.S834.	2.5	56
52	Leptin Enhances Lung Maturity in the Fetal Rat. Pediatric Research, 2006, 60, 200-204.	2.3	55
53	A Role for Macrophage Migration Inhibitory Factor in the Neonatal Respiratory Distress Syndrome. Journal of Immunology, 2008, 180, 601-608.	0.8	54
54	The potential of non-invasive ventilation to decrease BPD. Seminars in Perinatology, 2013, 37, 108-114.	2.5	54

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55	Conditional overexpression of TGFÎ²1 promotes pulmonary inflammation, apoptosis and mortality via TGFÎ²R2 in the developing mouse lung. Respiratory Research, 2015, 16, 4.	3.6	54
56	Impact of Early Extubation and Reintubation on the Incidence of Bronchopulmonary Dysplasia in Neonates. American Journal of Perinatology, 2014, 31, 1063-1072.	1.4	53
57	Proteomics Mapping of Cord Blood Identifies Haptoglobin â€œSwitch-Onâ€•Pattern as Biomarker of Early-Onset Neonatal Sepsis in Preterm Newborns. PLoS ONE, 2011, 6, e26111.	2.5	51
58	The definition of bronchopulmonary dysplasia: an evolving dilemma. Pediatric Research, 2018, 84, 586-588.	2.3	51
59	Novel Characterization of Drugâ€associated Pancreatitis in Children. Journal of Pediatric Gastroenterology and Nutrition, 2011, 53, 423-428.	1.8	51
60	Neutrophil CD64 as a Diagnostic Marker in Neonatal Sepsis. Pediatric Infectious Disease Journal, 2012, 31, 777-781.	2.0	49
61	Genomics, microbiomics, proteomics, and metabolomics in bronchopulmonary dysplasia. Seminars in Perinatology, 2018, 42, 425-431.	2.5	49
62	Genetic Strain and Sex Differences in a Hyperoxia-Induced Mouse Model of Varying Severity of Bronchopulmonary Dysplasia. American Journal of Pathology, 2019, 189, 999-1014.	3.8	49
63	Structure, function and five basic needs of the global health research system. Journal of Global Health, 2016, 6, 010508.	2.7	48
64	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
65	Effect of Introduction of Synchronized Nasal Intermittent Positive-Pressure Ventilation in a Neonatal Intensive Care Unit on Bronchopulmonary Dysplasia and Growth in Preterm Infants. American Journal of Perinatology, 2006, 23, 233-240.	1.4	47
66	Genetic Contribution to Patent Ductus Arteriosus in the Premature Newborn. Pediatrics, 2009, 123, 669-673.	2.1	46
67	Clinical Correlations in Infants in the Neonatal Intensive Care Unit With Varying Severity of Gastroesophageal Reflux. Journal of Pediatric Gastroenterology and Nutrition, 2001, 32, 45-49.	1.8	44
68	Clinical and Laboratory Factors That Predict Death in Very Low Birth Weight Infants Presenting With Late-onset Sepsis. Pediatric Infectious Disease Journal, 2014, 33, 143-146.	2.0	44
69	Angiopoietin-2 Confers Atheroprotection in apoE ‹sup›â˜'/â˜'‹/sup› Mice by Inhibiting LDL Oxidation via Nitric Oxide. Circulation Research, 2009, 104, 1333-1336.	4.5	43
70	VEGF levels in humans and animal models with RDS and BPD: Temporal relationships. Experimental Lung Research, 2012, 38, 192-203.	1.2	43
71	Small molecular modulation of macrophage migration inhibitory factor in the hyperoxia-induced mouse model of bronchopulmonary dysplasia. Respiratory Research, 2013, 14, 27.	3.6	43
72	Need for Supplemental Oxygen at Discharge in Infants with Bronchopulmonary Dysplasia Is Not Associated with Worse Neurodevelopmental Outcomes at 3 Years Corrected Age. PLoS ONE, 2014, 9, e90843.	2.5	43

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73	Risk Factors Associated With Biliary Pancreatitis in Children. Journal of Pediatric Gastroenterology and Nutrition, 2012, 54, 651-656.	1.8	42
74	Evaluation of Antioxidant Effectiveness of a Few Herbal Plants. Free Radical Research, 1997, 27, 221-228.	3.3	40
75	Fetal Adrenal Gland Volume and Cortisol/Dehydroepiandrosterone Sulfate Ratio in Inflammation-Associated Preterm Birth. Obstetrics and Gynecology, 2008, 111, 715-722.	2.4	40
76	MIF intersubunit disulfide mutant antagonist supports activation of CD74 by endogenous MIF trimer at physiologic concentrations. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 10994-10999.	7.1	39
77	Surfactant, steroids and non-invasive ventilation in the prevention of BPD. Seminars in Perinatology, 2018, 42, 444-452.	2.5	39
78	The Neurodevelopmental Perspective of Surgical Necrotizing Enterocolitis: The Role of the Gut-Brain Axis. Mediators of Inflammation, 2018, 2018, 1-8.	3.0	39
79	A Critical Regulatory Role for Macrophage Migration Inhibitory Factor in Hyperoxia-Induced Injury in the Developing Murine Lung. PLoS ONE, 2013, 8, e60560.	2.5	38
80	Morbidity and Mortality of Preterm Twins and Higher-Order Multiple Births. Journal of Perinatology, 2001, 21, 293-299.	2.0	37
81	A potential role of the JNK pathway in hyperoxia-induced cell death, myofibroblast transdifferentiation and TGF-Î²1-mediated injury in the developing murine lung. BMC Cell Biology, 2011, 12, 54.	3.0	37
82	A functional ATG16L1 (T300A) variant is associated with necrotizing enterocolitis in premature infants. Pediatric Research, 2017, 81, 582-588.	2.3	36
83	Hyperoxia Exacerbates Postnatal Inflammation-Induced Lung Injury in Neonatal BRP-39 Null Mutant Mice Promoting the M1 Macrophage Phenotype. Mediators of Inflammation, 2013, 2013, 1-12.	3.0	35
84	Systematic use of the RAM nasal cannula in the Yaleâ€“New Haven Childrenâ€™s Hospital Neonatal Intensive Care Unit: a quality improvement project. Journal of Maternal-Fetal and Neonatal Medicine, 2015, 28, 718-721.	1.5	35
85	Which Biomarkers Reveal Neonatal Sepsis?. PLoS ONE, 2013, 8, e82700.	2.5	33
86	Increased Hyperoxia-Induced Lung Injury in Nitric Oxide Synthase 2 Null Mice Is Mediated via Angiopoietin 2. American Journal of Respiratory Cell and Molecular Biology, 2012, 46, 668-676.	2.9	32
87	Noninvasive Respiratory Support in the Preterm Infant. Clinics in Perinatology, 2012, 39, 497-511.	2.1	32
88	Nanosecond Dynamics Regulate the MIFâ€‹induced Activity of CD74. Angewandte Chemie - International Edition, 2018, 57, 7116-7119.	13.8	32
89	The Genetic Susceptibility to Respiratory Distress Syndrome. Pediatric Research, 2009, 66, 693-697.	2.3	31
90	â€œNewâ€•Bronchopulmonary Dysplasia. Clinical Pulmonary Medicine, 2011, 18, 137-143.	0.3	31

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91	BPD Following Preterm Birth: A Model for Chronic Lung Disease and a Substrate for ARDS in Childhood. Frontiers in Pediatrics, 2016, 4, 60.	1.9	31
92	Comparison of non-synchronized nasal intermittent positive pressure ventilation versus nasal continuous positive airway pressure as post-extubation respiratory support in preterm infants with respiratory distress syndrome: a randomized controlled trial. Journal of Maternal-Fetal and Neonatal Medicine, 2016, 29, 1546-1551.	1.5	31
93	Identification of new biomarkers of bronchopulmonary dysplasia using metabolomics. Metabolomics, 2019, 15, 20.	3.0	31
94	Gastroschisis: A State-of-the-Art Review. Children, 2020, 7, 302.	1.5	31
95	Improved Outcome of Extremely Low Birth Weight Infants with TegadermÂ® Application to Skin. Journal of Perinatology, 2005, 25, 276-281.	2.0	30
96	Surfactant Protein-A (SP-A) Selectively Inhibits Prostaglandin F2Î± (PGF2Î±) Production in Term Decidua: Implications for the Onset of Labor. Journal of Clinical Endocrinology and Metabolism, 2011, 96, E624-E632.	3.6	29
97	Neutrophil CD64 with Hematologic Criteria for Diagnosis of Neonatal Sepsis. American Journal of Perinatology, 2014, 31, 021-030.	1.4	29
98	MicroRNA-34a Promotes Endothelial Dysfunction and Mitochondrial-mediated Apoptosis in Murine Models of Acute Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 465-477.	2.9	29
99	Factors associated with development of early and late pulmonary hypertension in preterm infants with bronchopulmonary dysplasia. Journal of Perinatology, 2020, 40, 138-148.	2.0	29
100	Recent advances in understanding and management of bronchopulmonary dysplasia. F1000Research, 2020, 9, 703.	1.6	29
101	IFNâ€Î³ and IPâ€10 in tracheal aspirates from premature infants: Relationship with bronchopulmonary dysplasia. Pediatric Pulmonology, 2013, 48, 8-13.	2.0	27
102	Novel Chitohexaose Analog Protects Young and Aged mice from CLP Induced Polymicrobial Sepsis. Scientific Reports, 2019, 9, 2904.	3.3	27
103	Novel biomarkers of bronchopulmonary dysplasia and bronchopulmonary dysplasia-associated pulmonary hypertension. Journal of Perinatology, 2020, 40, 1634-1643.	2.0	27
104	Fetal Heart Rate Monitoring Patterns in Women with Amniotic Fluid Proteomic Profiles Indicative of Inflammation. American Journal of Perinatology, 2008, 25, 359-372.	1.4	26
105	Potential Biochemical Growth Markers in Premature Infants. American Journal of Perinatology, 1999, 16, 339-349.	1.4	25
106	Pulmonary Expression of Leukemia Inhibitory Factor Induces B Cell Hyperplasia and Confers Protection in Hyperoxia. Journal of Biological Chemistry, 2003, 278, 31226-31232.	3.4	25
107	Outcomes in COVID-19 Positive Neonates and Possibility of Viral Vertical Transmission: A Narrative Review. American Journal of Perinatology, 2020, 37, 1208-1216.	1.4	25
108	Antenatal Steroid Use is Associated with Increased Gastroesophageal Reflux in Neonates. American Journal of Perinatology, 2003, 20, 205-214.	1.4	23

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109	Biomarkers in neonatology: the new â€œomicsâ€•of bronchopulmonary dysplasia. Journal of Maternal-Fetal and Neonatal Medicine, 2015, 29, 1-7.	1.5	23
110	Components of the antepartum, intrapartum, and postpartum exposome impact on distinct short-term adverse neonatal outcomes of premature infants: A prospective cohort study. PLoS ONE, 2018, 13, e0207298.	2.5	23
111	TREM-1 Attenuates RIPK3-mediated Necroptosis in Hyperoxia-induced Lung Injury in Neonatal Mice. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 308-322.	2.9	23
112	Developmental differences in the role of interleukins in hyperoxic lung injury in animal models. Frontiers in Bioscience - Landmark, 2002, 7, d1624-1633.	3.0	22
113	Cord blood erythropoietin and interleukin-6 for prediction of intraventricular hemorrhage in the preterm neonate. Journal of Maternal-Fetal and Neonatal Medicine, 2011, 24, 673-679.	1.5	22
114	Metabolomics of bronchopulmonary dysplasia. Clinica Chimica Acta, 2020, 500, 109-114.	1.1	22
115	The Role of Angiopoietin 2 in Hyperoxia-Inuduced Acute Lung Injury. Cell Cycle, 2007, 6, 1049-1052.	2.6	21
116	Amniotic Fluid Angiopoietin-1, Angiopoietin-2, and Soluble Receptor Tunica Interna Endothelial Cell Kinase-2 Levels and Regulation in Normal Pregnancy and Intraamniotic Inflammation-Induced Preterm Birth. Journal of Clinical Endocrinology and Metabolism, 2010, 95, 3428-3436.	3.6	21
117	Type and Timing of Ventilation in the First Postnatal Week is Associated with Bronchopulmonary Dysplasia/Death. American Journal of Perinatology, 2011, 28, 321-330.	1.4	21
118	Particle streak velocimetry-optical coherence tomography: a novel method for multidimensional imaging of microscale fluid flows. Biomedical Optics Express, 2016, 7, 1590.	2.9	20
119	Limiting the Exposure of Select Fetuses to Intrauterine Infection/Inflammation Improves Short-Term Neonatal Outcomes in Preterm Premature Rupture of Membranes. Fetal Diagnosis and Therapy, 2017, 42, 99-110.	1.4	20
120	Iloprost attenuates hyperoxia-mediated impairment of lung development in newborn mice. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2018, 315, L535-L544.	2.9	20
121	Adiponectin deficiency induces mitochondrial dysfunction and promotes endothelial activation and pulmonary vascular injury. FASEB Journal, 2019, 33, 13617-13631.	0.5	20
122	How to decrease bronchopulmonary dysplasia in your neonatal intensive care unit today and â€œtomorrowâ€•. F1000Research, 2017, 6, 539.	1.6	20
123	Role of Nitric Oxide Isoforms in Vascular and Alveolar Development and Lung Injury in Vascular Endothelial Growth Factor Overexpressing Neonatal Mice Lungs. PLoS ONE, 2016, 11, e0147588.	2.5	19
124	Infants Born to Mothers with Clinical Chorioamnionitis: A Cross-Sectional Survey on the Use of Early-Onset Sepsis Risk Calculator and Prolonged Use of Antibiotics. American Journal of Perinatology, 2019, 36, 428-433.	1.4	19
125	Inhibition of microRNA-451 is associated with increased expression of Macrophage Migration Inhibitory Factor and mitigation of the cardio-pulmonary phenotype in a murine model of Bronchopulmonary Dysplasia. Respiratory Research, 2020, 21, 92.	3.6	19
126	Impact of Histological Chorioamnionitis on Tracheal Aspirate Cytokines in Premature Infants. American Journal of Perinatology, 2012, 29, 567-72.	1.4	18

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127	Developmental differences in the role of interleukins in hyperoxic lung injury in animal models. Frontiers in Bioscience - Landmark, 2002, 7, d1624.	3.0	18
128	Circulating stem cells in extremely preterm neonates. Acta Paediatrica, International Journal of Paediatrics, 2007, 96, 521-525.	1.5	17
129	Angiopoietin-1, Angiopoietin-2 and Bicarbonate as Diagnostic Biomarkers in Children with Severe Sepsis. PLoS ONE, 2014, 9, e108461.	2.5	17
130	Sirtuin1 in tracheal aspirate leukocytes: possible role in the development of bronchopulmonary dysplasia in premature infants. Journal of Maternal-Fetal and Neonatal Medicine, 2012, 25, 1483-1487.	1.5	16
131	The Role of Surfactant Therapy in Nonrespiratory Distress Syndrome Conditions in Neonates. American Journal of Perinatology, 2016, 33, 001-008.	1.4	16
132	Hyperoxia causes miR199a-5p-mediated injury in the developing lung. Pediatric Research, 2019, 86, 579-588.	2.3	16
133	A Prospective Controlled Trial of Albuterol Aerosol Delivered Via Metered Dose Inhaler-Spacer Device (MDI) Versus Jet Nebulizer in Ventilated Preterm Neonates. American Journal of Perinatology, 2001, 18, 169-174.	1.4	15
134	Three-dimensional, three-vector-component velocimetry of cilia-driven fluid flow using correlation-based approaches in optical coherence tomography. Biomedical Optics Express, 2015, 6, 3515.	2.9	15
135	Noninvasive Ventilation in Newbornsâ€‰â‰â€‰1,500â€‰g after Tracheal Extubation: Randomized Clinical Trial. American Journal of Perinatology, 2017, 34, 1190-1198.	1.4	14
136	â€œPressureâ€•to feed the preterm newborn: associated with â€œpositiveâ€•outcomes?. Pediatric Research, 2017, 82, 899-900.	2.3	14
137	Antenatal N-acetylcysteine to improve outcomes of premature infants with intra-amniotic infection and inflammation (Triple I): randomized clinical trial. Pediatric Research, 2021, 89, 175-184.	2.3	14
138	Non-Invasive Ventilatory Strategies to Decrease Bronchopulmonary Dysplasiaâ€”Where Are We in 2021?. Children, 2021, 8, 132.	1.5	14
139	Small Immunomodulatory Molecules as Potential Therapeutics in Experimental Murine Models of Acute Lung Injury (ALI)/Acute Respiratory Distress Syndrome (ARDS). International Journal of Molecular Sciences, 2021, 22, 2573.	4.1	14
140	Patho-mechanisms of the origins of bronchopulmonary dysplasia. Molecular and Cellular Pediatrics, 2021, 8, 21.	1.8	14
141	Drug Therapy Trials for the Prevention of Bronchopulmonary Dysplasia: Current and Future Targets. Frontiers in Pediatrics, 2014, 2, 76.	1.9	13
142	Hepcidin, an Iron Regulatory Hormone of Innate Immunity, is Differentially Expressed in Premature Fetuses with Early-Onset Neonatal Sepsis. American Journal of Perinatology, 2018, 35, 865-872.	1.4	13
143	Neonatal sepsis biomarkers: where are we now? . Research and Reports in Neonatology, 0, Volume 9, 9-20.	0.2	13
144	An omic approach to congenital diaphragmatic hernia: a pilot study of genomic, microRNA, and metabolomic profiling. Journal of Perinatology, 2020, 40, 952-961.	2.0	13

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145	Recurrent hypoinsulinemic hyperglycemia in neonatal rats increases PARP-1 and NF-Î²B expression and leads to microglial activation in the cerebral cortex. Pediatric Research, 2015, 78, 513-519.	2.3	12
146	Predicting the likelihood of bronchopulmonary dysplasia in premature neonates. Expert Review of Respiratory Medicine, 2019, 13, 871-884.	2.5	12
147	The future in paediatric respirology. Respirology, 2010, 15, 733-741.	2.3	11
148	Use and timing of surfactant administration: impact on neonatal outcomes in extremely low gestational age infants born in Canadian Neonatal Intensive Care Units. Journal of Maternal-Fetal and Neonatal Medicine, 2018, 31, 2862-2869.	1.5	11
149	Angiopoietin Level Trajectories in Toddlers With Severe Sepsis and Septic Shock and Their Effect on Capillary Endothelium. Shock, 2019, 51, 298-305.	2.1	11
150	Small Molecule Inhibitor Adjuvant Surfactant Therapy Attenuates Ventilator- and Hyperoxia-Induced Lung Injury in Preterm Rabbits. Frontiers in Physiology, 2020, 11, 266.	2.8	11
151	The Effect of Modified Ultrafiltration on Angiopoietins in Pediatric Cardiothoracic Operations. Annals of Thoracic Surgery, 2014, 98, 1699-1704.	1.3	9
152	The role of nitric oxide in hyperoxia-induced injury to the developing lung. Frontiers in Bioscience - Landmark, 2003, 8, e361-369.	3.0	8
153	Chorioamnionitis at birth does not increase the risk of neurodevelopmental disability in premature infants with bronchopulmonary dysplasia. Acta Paediatrica, International Journal of Paediatrics, 2016, 105, e506-e512.	1.5	8
154	Risk factors for tracheostomy requirement in extremely low birth weight infants. Journal of Maternal-Fetal and Neonatal Medicine, 2018, 31, 447-452.	1.5	8
155	Genetics of bronchopulmonary dysplasia: When things do not match up, it is only the beginning. Journal of Pediatrics, 2019, 208, 298-299.	1.8	8
156	Neonatal Outcomes and Maternal Characteristics in Monochorionic Diamniotic Twin Pregnancies: Uncomplicated versus Twin-to-Twin Transfusion Syndrome Survivors after Fetoscopic Laser Surgery. Fetal Diagnosis and Therapy, 2020, 47, 165-170.	1.4	8
157	miR-184 mediates hyperoxia-induced injury by targeting cell death and angiogenesis signalling pathways in the developing lung. European Respiratory Journal, 2020, 58, 1901789.	6.7	8
158	miR34a: a master regulator in the pathogenesis of bronchopulmonary dysplasia. Cell Stress, 2018, 2, 34-36.	3.2	8
159	A unique case of rhabdoid tumor presenting as hemoperitoneum in an infant. Journal of Pediatric Surgery, 2011, 46, 247-251.	1.6	7
160	What is the basis for a genetic approach in neonatal disorders?. Seminars in Perinatology, 2015, 39, 568-573.	2.5	7
161	Newborn Infant With Mothball Toxicity Due to Maternal Ingestion. Pediatrics, 2019, 143, e20183619.	2.1	7
162	Histological Chorioamnionitis Induces Differential Gene Expression in Human Cord Blood Mononuclear Leukocytes from Term Neonates. Scientific Reports, 2019, 9, 5862.	3.3	7

#	Article	IF	Citations
163	Designing a better definition of bronchopulmonary dysplasia. Pediatric Pulmonology, 2019, 54, 678-679.	2.0	7
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