Bernard ThÃ©baud

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Bronchopulmonary dysplasia. Nature Reviews Disease Primers, 2019, 5, 78.	30.5	541
2	Bronchopulmonary Dysplasia: Executive Summary of a Workshop. Journal of Pediatrics, 2018, 197, 300-308.	1.8	516
3	Bronchopulmonary Dysplasia. American Journal of Respiratory and Critical Care Medicine, 2007, 175, 978-985.	5.6	489
4	Vascular Endothelial Growth Factor Gene Therapy Increases Survival, Promotes Lung Angiogenesis, and Prevents Alveolar Damage in Hyperoxia-Induced Lung Injury. Circulation, 2005, 112, 2477-2486.	1.6	470
5	Airway Delivery of Mesenchymal Stem Cells Prevents Arrested Alveolar Growth in Neonatal Lung Injury in Rats. American Journal of Respiratory and Critical Care Medicine, 2009, 180, 1131-1142.	5.6	418
6	Stem cell conditioned medium improves acute lung injury in mice: in vivo evidence for stem cell paracrine action. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 303, L967-L977.	2.9	286
7	Short-term, long-term and paracrine effect of human umbilical cord-derived stem cells in lung injury prevention and repair in experimental bronchopulmonary dysplasia. Thorax, 2013, 68, 475-484.	5.6	217
8	Animal models of bronchopulmonary dysplasia. The term rat models. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2014, 307, L948-L958.	2.9	172
9	Sildenafil Improves Alveolar Growth and Pulmonary Hypertension in Hyperoxia-induced Lung Injury. American Journal of Respiratory and Critical Care Medicine, 2005, 172, 750-756.	5.6	165
10	Preconditioning Enhances the Paracrine Effect of Mesenchymal Stem Cells in Preventing Oxygen-Induced Neonatal Lung Injury in Rats. Stem Cells and Development, 2012, 21, 2789-2797.	2.1	152
11	Existence, Functional Impairment, and Lung Repair Potential of Endothelial Colony-Forming Cells in Oxygen-Induced Arrested Alveolar Growth. Circulation, 2014, 129, 2144-2157.	1.6	139
12	Angiogenesis in Lung Development, Injury and Repair: Implications for Chronic Lung Disease of Prematurity. Neonatology, 2007, 91, 291-297.	2.0	123
13	Mesenchymal Stromal Cell Therapy in Bronchopulmonary Dysplasia: Systematic Review and Meta-Analysis of Preclinical Studies. Stem Cells Translational Medicine, 2017, 6, 2079-2093.	3.3	113
14	Oxygen-Sensitive Kv Channel Gene Transfer Confers Oxygen Responsiveness to Preterm Rabbit and Remodeled Human Ductus Arteriosus. Circulation, 2004, 110, 1372-1379.	1.6	101
15	Mesenchymal Stromal Cells in Animal Bleomycin Pulmonary Fibrosis Models: A Systematic Review. Stem Cells Translational Medicine, 2015, 4, 1500-1510.	3.3	94
16	The isolation and culture of endothelial colony-forming cells from human and rat lungs. Nature Protocols, 2015, 10, 1697-1708.	12.0	94
17	Preterm birth: risk factor for early-onset chronic diseases. Cmaj, 2016, 188, 736-746.	2.0	94
18	Single cell transcriptomic analysis of murine lung development on hyperoxia-induced damage. Nature Communications, 2021, 12, 1565.	12.8	89

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19	Stem cellâ€"based therapy for neonatal lung disease: it is in the juice. Pediatric Research, 2014, 75, 2-7.	2.3	82
20	L-Citrulline Attenuates Arrested Alveolar Growth and Pulmonary Hypertension in Oxygen-Induced Lung Injury in Newborn Rats. Pediatric Research, 2010, 68, 519-525.	2.3	74
21	Airway Delivery of Soluble Factors from Plastic-Adherent Bone Marrow Cells Prevents Murine Asthma. American Journal of Respiratory Cell and Molecular Biology, 2012, 46, 207-216.	2.9	70
22	Developmental Absence of the O2 Sensitivity of L-Type Calcium Channels in Preterm Ductus Arteriosus Smooth Muscle Cells Impairs O2 Constriction Contributing to Patent Ductus Arteriosus. Pediatric Research, 2008, 63, 176-181.	2.3	49
23	Adrenomedullin Promotes Lung Angiogenesis, Alveolar Development, and Repair. American Journal of Respiratory Cell and Molecular Biology, 2010, 43, 152-160.	2.9	48
24	Activation of Akt Protects Alveoli from Neonatal Oxygen-Induced Lung Injury. American Journal of Respiratory Cell and Molecular Biology, 2011, 44, 146-154.	2.9	47
25	Exosomes. Circulation, 2012, 126, 2553-2555.	1.6	46
26	Human induced pluripotent stem cellâ€"derived lung progenitor and alveolar epithelial cells attenuate hyperoxia-induced lung injury. Cytotherapy, 2018, 20, 108-125.	0.7	46
27	Stem cell therapy for preventing neonatal diseases in the 21st century: Current understanding and challenges. Pediatric Research, 2020, 87, 265-276.	2.3	46
28	Exogenous Hydrogen Sulfide (H2S) Protects Alveolar Growth in Experimental O2-Induced Neonatal Lung Injury. PLoS ONE, 2014, 9, e90965.	2.5	44
29	Lung Mesenchymal Stromal Cells in Development and Disease: To Serve and Protect?. Antioxidants and Redox Signaling, 2014, 21, 1849-1862.	5.4	43
30	Sildenafil Reverses O2 Constriction of the Rabbit Ductus Arteriosus by Inhibiting Type 5 Phosphodiesterase and Activating BKCa Channels. Pediatric Research, 2002, 52, 19-24.	2.3	39
31	Metabolomics of prematurity: analysis of patterns of amino acids, enzymes, and endocrine markers by categories of gestational age. Pediatric Research, 2014, 75, 367-373.	2.3	39
32	Unique Aspects of the Developing Lung Circulation: Structural Development and Regulation of Vasomotor Tone. Pulmonary Circulation, 2016, 6, 407-425.	1.7	39
33	Human Umbilical Cord Mesenchymal Stromal Cells Improve Survival and Bacterial Clearance in Neonatal Sepsis in Rats. Stem Cells and Development, 2017, 26, 1054-1064.	2.1	38
34	Bronchopulmonary Dysplasia: Where HaveÂAll the Stem Cells Gone?. Chest, 2017, 152, 1043-1052.	0.8	38
35	Mesenchymal stem cells for the prevention and treatment of bronchopulmonary dysplasia in preterm infants. The Cochrane Library, 2017, 2017, CD011932.	2.8	37
36	A lung tropic AAV vector improves survival in a mouse model of surfactant B deficiency. Nature Communications, 2020, 11, 3929.	12.8	37

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37	Advances in bronchopulmonary dysplasia. Expert Review of Respiratory Medicine, 2014, 8, 327-338.	2.5	35
38	Preventing bronchopulmonary dysplasia: new tools for an old challenge. Pediatric Research, 2019, 85, 432-441.	2.3	35
39	The Axonal Guidance Cue Semaphorin 3C Contributes to Alveolar Growth and Repair. PLoS ONE, 2013, 8, e67225.	2.5	33
40	Mesenchymal stromal cell extracellular vesicles as therapy for acute and chronic respiratory diseases: A metaâ€analysis. Journal of Extracellular Vesicles, 2021, 10, e12141.	12.2	31
41	Oxygen Disrupts Human Fetal Lung Mesenchymal Cells. Implications for Bronchopulmonary Dysplasia. American Journal of Respiratory Cell and Molecular Biology, 2019, 60, 592-600.	2.9	30
42	Are all stem cells equal? Systematic review, evidence map, and meta-analyses of preclinical stem cell-based therapies for bronchopulmonary dysplasia. Stem Cells Translational Medicine, 2020, 9, 158-168.	3.3	30
43	Endothelial Colonyâ€Forming Cells in Young Adults Born Preterm: A Novel Link Between Neonatal Complications and Adult Risks for Cardiovascular Disease. Journal of the American Heart Association, 2018, 7, .	3.7	27
44	Endothelial Progenitor Cells as Prognostic Markers of Preterm Birth-Associated Complications. Stem Cells Translational Medicine, 2017, 6, 7-13.	3.3	26
45	Endothelial cells of different organs exhibit heterogeneity in von Willebrand factor expression in response to hypoxia. Atherosclerosis, 2019, 282, 1-10.	0.8	26
46	Stem Cells and Their Mediators Ã¢â,¬â€œ Next Generation Therapy for Bronchopulmonary Dysplasia. Frontiers in Medicine, 2015, 2, 50.	2.6	25
47	Stem cell biology and regenerative medicine for neonatal lung diseases. Pediatric Research, 2018, 83, 291-297.	2.3	25
48	Impaired Angiogenic Supportive Capacity and Altered Gene Expression Profile of Resident CD146+ Mesenchymal Stromal Cells Isolated from Hyperoxia-Injured Neonatal Rat Lungs. Stem Cells and Development, 2018, 27, 1109-1124.	2.1	25
49	A Central Role for Oxygen-Sensitive K+ Channels and Mitochondria in the Specialized Oxygen-Sensing System. Novartis Foundation Symposium, 2008, , 157-175.	1.1	24
50	Nanotherapies for micropreemies: Stem cells and the secretome in bronchopulmonary dysplasia. Seminars in Perinatology, 2018, 42, 453-458.	2.5	24
51	Functional Differences Between Placental Micro- and Macrovascular Endothelial Colony-Forming Cells. Stem Cells Translational Medicine, 2016, 5, 291-300.	3.3	22
52	Doppler parameters of fetal lung hypoplasia and impact ofÂsildenafil. American Journal of Obstetrics and Gynecology, 2014, 211, 263.e1-263.e8.	1.3	20
53	Cell Therapy for Bronchopulmonary Dysplasia: Promises and Perils. Paediatric Respiratory Reviews, 2016, 20, 33-41.	1.8	20
54	Pulmonary hypertension associated with congenital diaphragmatic hernia. Cardiology in the Young, 2009, 19, 49-53.	0.8	19

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55	Stem cells in animal asthma models: a systematic review. Cytotherapy, 2014, 16, 1629-1642.	0.7	19
56	Impact of bronchopulmonary dysplasia on brain and retina. Biology Open, 2016, 5, 475-483.	1.2	19
57	Cell-based therapies for neonatal lung disease. Cell and Tissue Research, 2017, 367, 737-745.	2.9	17
58	Novel therapeutics for bronchopulmonary dysplasia. Current Opinion in Pediatrics, 2018, 30, 378-383.	2.0	17
59	Lifetime patient outcomes and healthcare utilization for Bronchopulmonary dysplasia (BPD) and extreme preterm infants: a microsimulation study. BMC Pediatrics, 2020, 20, 136.	1.7	17
60	Bronchopulmonary Dysplasia and Chronic Lung Disease. Clinics in Perinatology, 2015, 42, 889-910.	2.1	16
61	The Therapeutic Potential of Stem Cells for Bronchopulmonary Dysplasia: â€œItâ€™s About Timeâ€•or â€œNot so Fastâ€•?. Current Pediatric Reviews, 2018, 14, 227-238.	0.8	16
62	So You Want to Give Stem Cells to Babies? Neonatologists and Parentsâ€™ Views to Optimize Clinical Trials. Journal of Pediatrics, 2019, 210, 41-47.e1.	1.8	16
63	Stem cell-based interventions for the prevention of morbidity and mortality following hypoxic-ischaemic encephalopathy in newborn infants. The Cochrane Library, 2020, 2020, CD013202.	2.8	16
64	Definition and Characteristics of Mesenchymal Stromal Cells in Preclinical and Clinical Studies: A Scoping Review. Stem Cells Translational Medicine, 2022, 11, 44-54.	3.3	16
65	Target oxygen saturation and development of pulmonary hypertension and increased pulmonary vascular resistance in preterm infants. Pediatric Pulmonology, 2019, 54, 73-81.	2.0	15
66	Pulmonary and Neurologic Effects of Mesenchymal Stromal Cell Extracellular Vesicles in a Multifactorial Lung Injury Model. American Journal of Respiratory and Critical Care Medicine, 2022, 205, 1186-1201.	5.6	15
67	Factors Impacting Physician Recommendation for Tracheostomy Placement in Pediatric Prolonged Mechanical Ventilation: A Cross-Sectional Survey on Stated Practice*. Pediatric Critical Care Medicine, 2019, 20, e423-e431.	0.5	14
68	Late Rescue Therapy with Cord-Derived Mesenchymal Stromal Cells for Established Lung Injury in Experimental Bronchopulmonary Dysplasia. Stem Cells and Development, 2020, 29, 364-371.	2.1	14
69	Patent ductus arteriosus in premature infants: A never-closing act. Paediatrics and Child Health, 2010, 15, 267-270.	0.6	13
70	Can We Cure Bronchopulmonary Dysplasia?. Journal of Pediatrics, 2017, 191, 12-14.	1.8	11
71	Stem cell-based therapies in neonatology: a new hope. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F583-F588.	2.8	11
72	Benefits and obstacles to cell therapy in neonates: The INCuBAToR (Innovative Neonatal Cellular) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 6 Translational Medicine, 2021, 10, 968-975.	3.3	10

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73	Long-term follow-up of cardiorespiratory outcomes in children born extremely preterm: Recommendations from a Canadian consensus workshop. Paediatrics and Child Health, 2017, 22, 75-79.	0.6	9
74	Single-Cell RNA Sequencing-Based Characterization of Resident Lung Mesenchymal Stromal Cells in Bronchopulmonary Dysplasia. Stem Cells, 2022, 40, 479-492.	3.2	9
75	Mesenchymal Stromal Cell-Derived Extracellular Vesicles for Neonatal Lung Disease: Tiny Particles, Major Promise, Rigorous Requirements for Clinical Translation. Cells, 2022, 11, 1176.	4.1	9
76	Stem Cells for Extreme Prematurity. American Journal of Perinatology, 2019, 36, S68-S73.	1.4	8
77	Mesenchymal Stromal Cell-Based Therapies for Chronic Lung Disease of Prematurity. American Journal of Perinatology, 2016, 33, 1043-1049.	1.4	7
78	Mesenchymal Stromal Cell Therapy for Respiratory Complications of Extreme Prematurity. American Journal of Perinatology, 2018, 35, 566-569.	1.4	7
79	The molecular mechanisms of oxygen-sensing in human ductus arteriosus smooth muscle cells: A comprehensive transcriptome profile reveals a central role for mitochondria. Genomics, 2021, 113, 3128-3140.	2.9	7
80	Surrogate Humane Endpoints in Small Animal Models of Acute Lung Injury: A Modified Delphi Consensus Study of Researchers and Laboratory Animal Veterinarians*. Critical Care Medicine, 2021, 49, 311-323.	0.9	7
81	Update in Pediatric Lung Disease 2010. American Journal of Respiratory and Critical Care Medicine, 2011, 183, 1477-1481.	5.6	6
82	Establishment of a consensus definition for mesenchymal stromal cells (MSC) and reporting guidelines for clinical trials of MSC therapy: a modified Delphi study protocol. BMJ Open, 2021, 11, e054740.	1.9	6
83	Preempting Bronchopulmonary Dysplasia: Time to Focus on the Placenta?. American Journal of Respiratory Cell and Molecular Biology, 2022, 66, 8-9.	2.9	6
84	Isolation of CD146⁺ Resident Lung Mesenchymal Stromal Cells from Rat Lungs. Journal of Visualized Experiments, 2016, , .	0.3	5
85	Effect of oxygen saturation targets on the incidence of bronchopulmonary dysplasia and duration of respiratory supports in extremely preterm infants. Paediatrics and Child Health, 2020, 25, 173-179.	0.6	5
86	How to introduce MSC-based therapy for the developing lung safely into clinical care?. Pediatric Research, 2020, 88, 365-368.	2.3	5
87	Characterization of the innate immune response in a novel murine model mimicking bronchopulmonary dysplasia. Pediatric Research, 2021, 89, 803-813.	2.3	5
88	Pulmonary Magnetic Resonance Imaging of Ex-preterm Children with/without Bronchopulmonary Dysplasia. Annals of the American Thoracic Society, 2022, , .	3.2	5
89	Cell-based therapy for bronchopulmonary dysplasia in preterm infants. Canadian Journal of Physiology and Pharmacology, 2019, 97, 232-234.	1.4	4
90	Pathogenesis of bronchopulmonary dysplasia. , 2021, , 50-67.		4

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91	Not another steroid trial: early low-dose hydrocortisone in preterm infants. Lancet, The, 2016, 387, 1793-1794.	13.7	3
92	Impaired Lung Development and Neonatal Lung Diseases: A Never-Ending (Vascular) Story. Journal of Pediatrics, 2017, 180, 11-13.	1.8	3
93	Endothelial colony-forming cell therapy for heart morphological changes after neonatal high oxygen exposure in rats, a model of complications of prematurity. Physiological Reports, 2018, 6, e13922.	1.7	3
94	Fully automated estimation of the mean linear intercept in histopathology images of mouse lung tissue. Journal of Medical Imaging, 2021, 8, 027501.	1.5	3
95	Characterization of a New Monocrotaline Rat Model to Study Chronic Neonatal Pulmonary Hypertension. American Journal of Respiratory Cell and Molecular Biology, 2021, 65, 331-334.	2.9	3
96	Insights into the mechanisms of alveolarization - Implications for lung regeneration and cell therapies. Seminars in Fetal and Neonatal Medicine, 2021, , 101243.	2.3	2
97	Pulmonary Endothelial Progenitor Cells. , 0, , 203-216.		1
98	The comprehensive transcriptome of human ductus arteriosus smooth muscle cells (hDASMC). Data in Brief, 2022, 40, 107736.	1.0	1
99	A systematic approach to enhance transparency in mesenchymal stromal cell research. Cytotherapy, 2022, 24, 674-675.	0.7	1
100	The elusive pulmonary neuroendocrine cell: How rare diseases may help solving common diseases. Developmental Cell, 2022, 57, 837-838.	7.0	1
101	Commentary on â€˜Ibuprofen for the prevention of patent ductus arteriosus in preterm and/or low birth weight infantsâ€™ and â€˜Ibuprofen for the treatment of patent ductus arteriosus in preterm and/or low birth weight infantsâ€™. Evidence-Based Child Health: A Cochrane Review Journal, 2006, 1, 850-853.	2.0	0
102	In Reply. Stem Cells Translational Medicine, 2016, 5, 703-703.	3.3	0
103	Stem Cell Therapy in Neonatesâ€"the Time Has (Almost) Come. , 2019, , 1-18.		0
104	Closing gaps, opening doors: an experimental collaboration in stem cell intervention. Molecular Biology Reports, 2020, 47, 4105-4108.	2.3	0
105	Lung Vasculogenesis and Angiogenesis. Pancreatic Islet Biology, 2015, , 25-41.	0.3	0
106	Cell Therapy with the Cell or Without the Cell for Premature Infants? Time Will Tell. American Journal of Respiratory and Critical Care Medicine, 2021, , .	5.6	0
107	The differentiation of embryonic stem cells and induced pluripotent stem cells into airway and alveolar epithelial cells. , 2022, , 95-127.		0