

# Bernard Thbaud

## List of Publications by Citations

**Source:** <https://exaly.com/author-pdf/8064367/bernard-thebaud-publications-by-citations.pdf>  
**Version:** 2024-04-09

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.  
The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

99 papers	4,344 citations	30 h-index	65 g-index
114 ext. papers	5,336 ext. citations	5.9 avg, IF	5.8 L-index

#	Paper	IF	Citations
99	Vascular endothelial growth factor gene therapy increases survival, promotes lung angiogenesis, and prevents alveolar damage in hyperoxia-induced lung injury: evidence that angiogenesis participates in alveolarization. <i>Circulation</i> , <b>2005</b> , 112, 2477-86	16.7	418
98	Bronchopulmonary dysplasia: where have all the vessels gone? Roles of angiogenic growth factors in chronic lung disease. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2007</b> , 175, 978-85	10.2	415
97	Airway delivery of mesenchymal stem cells prevents arrested alveolar growth in neonatal lung injury in rats. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2009</b> , 180, 1131-42	10.2	360
96	Bronchopulmonary Dysplasia: Executive Summary of a Workshop. <i>Journal of Pediatrics</i> , <b>2018</b> , 197, 300-308	9.8	264
95	Stem cell conditioned medium improves acute lung injury in mice: in vivo evidence for stem cell paracrine action. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2012</b> , 303, L967-77	5.8	242
94	Bronchopulmonary dysplasia. <i>Nature Reviews Disease Primers</i> , <b>2019</b> , 5, 78	51.1	205
93	Short-term, long-term and paracrine effect of human umbilical cord-derived stem cells in lung injury prevention and repair in experimental bronchopulmonary dysplasia. <i>Thorax</i> , <b>2013</b> , 68, 475-84	7.3	179
92	Sildenafil improves alveolar growth and pulmonary hypertension in hyperoxia-induced lung injury. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2005</b> , 172, 750-6	10.2	152
91	Animal models of bronchopulmonary dysplasia. The term rat models. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2014</b> , 307, L948-58	5.8	138
90	Preconditioning enhances the paracrine effect of mesenchymal stem cells in preventing oxygen-induced neonatal lung injury in rats. <i>Stem Cells and Development</i> , <b>2012</b> , 21, 2789-97	4.4	124
89	Existence, functional impairment, and lung repair potential of endothelial colony-forming cells in oxygen-induced arrested alveolar growth. <i>Circulation</i> , <b>2014</b> , 129, 2144-57	16.7	114
88	Angiogenesis in lung development, injury and repair: implications for chronic lung disease of prematurity. <i>Neonatology</i> , <b>2007</b> , 91, 291-7	4	109
87	Oxygen-sensitive Kv channel gene transfer confers oxygen responsiveness to preterm rabbit and remodeled human ductus arteriosus: implications for infants with patent ductus arteriosus. <i>Circulation</i> , <b>2004</b> , 110, 1372-9	16.7	89
86	Mesenchymal Stromal Cell Therapy in Bronchopulmonary Dysplasia: Systematic Review and Meta-Analysis of Preclinical Studies. <i>Stem Cells Translational Medicine</i> , <b>2017</b> , 6, 2079-2093	6.9	81
85	Mesenchymal Stromal Cells in Animal Bleomycin Pulmonary Fibrosis Models: A Systematic Review. <i>Stem Cells Translational Medicine</i> , <b>2015</b> , 4, 1500-10	6.9	75
84	Stem cell-based therapy for neonatal lung disease: it is in the juice. <i>Pediatric Research</i> , <b>2014</b> , 75, 2-7	3.2	74
83	L-citrulline attenuates arrested alveolar growth and pulmonary hypertension in oxygen-induced lung injury in newborn rats. <i>Pediatric Research</i> , <b>2010</b> , 68, 519-25	3.2	62

82	The isolation and culture of endothelial colony-forming cells from human and rat lungs. <i>Nature Protocols</i> , <b>2015</b> , 10, 1697-708	18.8	58
81	Airway delivery of soluble factors from plastic-adherent bone marrow cells prevents murine asthma. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2012</b> , 46, 207-16	5.7	58
80	Preterm birth: risk factor for early-onset chronic diseases. <i>Cmaj</i> , <b>2016</b> , 188, 736-746	3.5	57
79	Adrenomedullin promotes lung angiogenesis, alveolar development, and repair. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2010</b> , 43, 152-60	5.7	44
78	Developmental absence of the O <sub>2</sub> sensitivity of L-type calcium channels in preterm ductus arteriosus smooth muscle cells impairs O <sub>2</sub> constriction contributing to patent ductus arteriosus. <i>Pediatric Research</i> , <b>2008</b> , 63, 176-81	3.2	42
77	Activation of Akt protects alveoli from neonatal oxygen-induced lung injury. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2011</b> , 44, 146-54	5.7	41
76	Exogenous hydrogen sulfide (H <sub>2</sub> S) protects alveolar growth in experimental O <sub>2</sub> -induced neonatal lung injury. <i>PLoS ONE</i> , <b>2014</b> , 9, e90965	3.7	40
75	Lung mesenchymal stromal cells in development and disease: to serve and protect?. <i>Antioxidants and Redox Signaling</i> , <b>2014</b> , 21, 1849-62	8.4	36
74	Sildenafil reverses O <sub>2</sub> constriction of the rabbit ductus arteriosus by inhibiting type 5 phosphodiesterase and activating BK(Ca) channels. <i>Pediatric Research</i> , <b>2002</b> , 52, 19-24	3.2	36
73	Metabolomics of prematurity: analysis of patterns of amino acids, enzymes, and endocrine markers by categories of gestational age. <i>Pediatric Research</i> , <b>2014</b> , 75, 367-73	3.2	33
72	Bronchopulmonary Dysplasia: Where Have All the Stem Cells Gone?: Origin and (Potential) Function of Resident Lung Stem Cells. <i>Chest</i> , <b>2017</b> , 152, 1043-1052	5.3	32
71	Human induced pluripotent stem cell-derived lung progenitor and alveolar epithelial cells attenuate hyperoxia-induced lung injury. <i>Cytotherapy</i> , <b>2018</b> , 20, 108-125	4.8	31
70	Advances in bronchopulmonary dysplasia. <i>Expert Review of Respiratory Medicine</i> , <b>2014</b> , 8, 327-38	3.8	29
69	The axonal guidance cue semaphorin 3C contributes to alveolar growth and repair. <i>PLoS ONE</i> , <b>2013</b> , 8, e67225	3.7	29
68	Stem cell therapy for preventing neonatal diseases in the 21st century: Current understanding and challenges. <i>Pediatric Research</i> , <b>2020</b> , 87, 265-276	3.2	28
67	Human Umbilical Cord Mesenchymal Stromal Cells Improve Survival and Bacterial Clearance in Neonatal Sepsis in Rats. <i>Stem Cells and Development</i> , <b>2017</b> , 26, 1054-1064	4.4	27
66	Unique aspects of the developing lung circulation: structural development and regulation of vasomotor tone. <i>Pulmonary Circulation</i> , <b>2016</b> , 6, 407-425	2.7	24
65	Mesenchymal stem cells for the prevention and treatment of bronchopulmonary dysplasia in preterm infants. <i>The Cochrane Library</i> , <b>2017</b> , 11, CD011932	5.2	23

64	Endothelial Progenitor Cells as Prognostic Markers of Preterm Birth-Associated Complications. <i>Stem Cells Translational Medicine</i> , <b>2017</b> , 6, 7-13	6.9	22
63	Stem Cells and Their Mediators - Next Generation Therapy for Bronchopulmonary Dysplasia. <i>Frontiers in Medicine</i> , <b>2015</b> , 2, 50	4.9	22
62	Stem cell biology and regenerative medicine for neonatal lung diseases. <i>Pediatric Research</i> , <b>2018</b> , 83, 291-297	3.2	21
61	Nanotherapies for micropreemies: Stem cells and the secretome in bronchopulmonary dysplasia. <i>Seminars in Perinatology</i> , <b>2018</b> , 42, 453-458	3.3	21
60	Oxygen Disrupts Human Fetal Lung Mesenchymal Cells. Implications for Bronchopulmonary Dysplasia. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2019</b> , 60, 592-600	5.7	20
59	Preventing bronchopulmonary dysplasia: new tools for an old challenge. <i>Pediatric Research</i> , <b>2019</b> , 85, 432-441	3.2	19
58	Functional Differences Between Placental Micro- and Macrovascular Endothelial Colony-Forming Cells. <i>Stem Cells Translational Medicine</i> , <b>2016</b> , 5, 291-300	6.9	18
57	Stem cells in animal asthma models: a systematic review. <i>Cytotherapy</i> , <b>2014</b> , 16, 1629-42	4.8	17
56	A Central Role for Oxygen-Sensitive K <sup>+</sup> Channels and Mitochondria in the Specialized Oxygen-Sensing System. <i>Novartis Foundation Symposium</i> , <b>2008</b> , 157-175		17
55	Impaired Angiogenic Supportive Capacity and Altered Gene Expression Profile of Resident CD146 Mesenchymal Stromal Cells Isolated from Hyperoxia-Injured Neonatal Rat Lungs. <i>Stem Cells and Development</i> , <b>2018</b> , 27, 1109-1124	4.4	16
54	Doppler parameters of fetal lung hypoplasia and impact of sildenafil. <i>American Journal of Obstetrics and Gynecology</i> , <b>2014</b> , 211, 263.e1-8	6.4	16
53	Cell Therapy for Bronchopulmonary Dysplasia: Promises and Perils. <i>Paediatric Respiratory Reviews</i> , <b>2016</b> , 20, 33-41	4.8	15
52	Endothelial Colony-Forming Cells in Young Adults Born Preterm: A Novel Link Between Neonatal Complications and Adult Risks for Cardiovascular Disease. <i>Journal of the American Heart Association</i> , <b>2018</b> , 7,	6	15
51	Pulmonary hypertension associated with congenital diaphragmatic hernia. <i>Cardiology in the Young</i> , <b>2009</b> , 19 Suppl 1, 49-53	1	15
50	The Therapeutic Potential of Stem Cells for Bronchopulmonary Dysplasia: "It's About Time" or "Not so Fast" ?. <i>Current Pediatric Reviews</i> , <b>2018</b> , 14, 227-238	2.8	15
49	Bronchopulmonary Dysplasia and Chronic Lung Disease: Stem Cell Therapy. <i>Clinics in Perinatology</i> , <b>2015</b> , 42, 889-910	2.8	14
48	Impact of bronchopulmonary dysplasia on brain and retina. <i>Biology Open</i> , <b>2016</b> , 5, 475-83	2.2	14
47	Cell-based therapies for neonatal lung disease. <i>Cell and Tissue Research</i> , <b>2017</b> , 367, 737-745	4.2	14

46	Are all stem cells equal? Systematic review, evidence map, and meta-analyses of preclinical stem cell-based therapies for bronchopulmonary dysplasia. <i>Stem Cells Translational Medicine</i> , <b>2020</b> , 9, 158-168	6.9	14
45	A lung tropic AAV vector improves survival in a mouse model of surfactant B deficiency. <i>Nature Communications</i> , <b>2020</b> , 11, 3929	17.4	12
44	Novel therapeutics for bronchopulmonary dysplasia. <i>Current Opinion in Pediatrics</i> , <b>2018</b> , 30, 378-383	3.2	11
43	Can We Cure Bronchopulmonary Dysplasia?. <i>Journal of Pediatrics</i> , <b>2017</b> , 191, 12-14	3.6	10
42	So You Want to Give Stem Cells to Babies? Neonatologists and Parents' Views to Optimize Clinical Trials. <i>Journal of Pediatrics</i> , <b>2019</b> , 210, 41-47.e1	3.6	10
41	Patent ductus arteriosus in premature infants: A never-closing act. <i>Paediatrics and Child Health</i> , <b>2010</b> , 15, 267-70	0.7	10
40	Single cell transcriptomic analysis of murine lung development on hyperoxia-induced damage. <i>Nature Communications</i> , <b>2021</b> , 12, 1565	17.4	10
39	Stem cell-based interventions for the prevention of morbidity and mortality following hypoxic-ischaemic encephalopathy in newborn infants. <i>The Cochrane Library</i> , <b>2020</b> , 8, CD013202	5.2	9
38	Target oxygen saturation and development of pulmonary hypertension and increased pulmonary vascular resistance in preterm infants. <i>Pediatric Pulmonology</i> , <b>2019</b> , 54, 73-81	3.5	9
37	Stem cell-based therapies in neonatology: a new hope. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2018</b> , 103, F583-F588	4.7	8
36	Endothelial cells of different organs exhibit heterogeneity in von Willebrand factor expression in response to hypoxia. <i>Atherosclerosis</i> , <b>2019</b> , 282, 1-10	3.1	8
35	Lifetime patient outcomes and healthcare utilization for Bronchopulmonary dysplasia (BPD) and extreme preterm infants: a microsimulation study. <i>BMC Pediatrics</i> , <b>2020</b> , 20, 136	2.6	7
34	Long-term follow-up of cardiorespiratory outcomes in children born extremely preterm: Recommendations from a Canadian consensus workshop. <i>Paediatrics and Child Health</i> , <b>2017</b> , 22, 75-79	0.7	7
33	Mesenchymal stromal cell extracellular vesicles as therapy for acute and chronic respiratory diseases: A meta-analysis. <i>Journal of Extracellular Vesicles</i> , <b>2021</b> , 10, e12141	16.4	7
32	Mesenchymal Stromal Cell Therapy for Respiratory Complications of Extreme Prematurity. <i>American Journal of Perinatology</i> , <b>2018</b> , 35, 566-569	3.3	6
31	Update in pediatric lung disease 2010. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2011</b> , 183, 1477-81	10.2	6
30	Mesenchymal Stromal Cell-Based Therapies for Chronic Lung Disease of Prematurity. <i>American Journal of Perinatology</i> , <b>2016</b> , 33, 1043-9	3.3	6
29	Factors Impacting Physician Recommendation for Tracheostomy Placement in Pediatric Prolonged Mechanical Ventilation: A Cross-Sectional Survey on Stated Practice. <i>Pediatric Critical Care Medicine</i> , <b>2019</b> , 20, e423-e431	3	6

28	Stem Cells for Extreme Prematurity. <i>American Journal of Perinatology</i> , <b>2019</b> , 36, S68-S73	3.3	5
27	How to introduce MSC-based therapy for the developing lung safely into clinical care?. <i>Pediatric Research</i> , <b>2020</b> , 88, 365-368	3.2	4
26	Late Rescue Therapy with Cord-Derived Mesenchymal Stromal Cells for Established Lung Injury in Experimental Bronchopulmonary Dysplasia. <i>Stem Cells and Development</i> , <b>2020</b> , 29, 364-371	4.4	4
25	Cell-based therapy for bronchopulmonary dysplasia in preterm infants. <i>Canadian Journal of Physiology and Pharmacology</i> , <b>2019</b> , 97, 232-234	2.4	4
24	Isolation of CD146+ Resident Lung Mesenchymal Stromal Cells from Rat Lungs. <i>Journal of Visualized Experiments</i> , <b>2016</b> ,	1.6	3
23	Not another steroid trial: early low-dose hydrocortisone in preterm infants. <i>Lancet, The</i> , <b>2016</b> , 387, 1793-1794	4.6	3
22	Effect of oxygen saturation targets on the incidence of bronchopulmonary dysplasia and duration of respiratory supports in extremely preterm infants. <i>Paediatrics and Child Health</i> , <b>2020</b> , 25, 173-179	0.7	3
21	Benefits and obstacles to cell therapy in neonates: The INCuBAToR (Innovative Neonatal Cellular Therapy for Bronchopulmonary Dysplasia: Accelerating Translation of Research). <i>Stem Cells Translational Medicine</i> , <b>2021</b> , 10, 968-975	6.9	3
20	Endothelial colony-forming cell therapy for heart morphological changes after neonatal high oxygen exposure in rats, a model of complications of prematurity. <i>Physiological Reports</i> , <b>2018</b> , 6, e13922	2.6	3
19	The molecular mechanisms of oxygen-sensing in human ductus arteriosus smooth muscle cells: A comprehensive transcriptome profile reveals a central role for mitochondria. <i>Genomics</i> , <b>2021</b> , 113, 3128-3140	4.3	3
18	Characterization of the innate immune response in a novel murine model mimicking bronchopulmonary dysplasia. <i>Pediatric Research</i> , <b>2021</b> , 89, 803-813	3.2	2
17	Surrogate Humane Endpoints in Small Animal Models of Acute Lung Injury: A Modified Delphi Consensus Study of Researchers and Laboratory Animal Veterinarians. <i>Critical Care Medicine</i> , <b>2021</b> , 49, 311-323	1.4	2
16	Pathogenesis of bronchopulmonary dysplasia <b>2021</b> , 50-67		2
15	Preempting Bronchopulmonary Dysplasia: Time to Focus on the Placenta?. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2021</b> ,	5.7	1
14	Establishment of a consensus definition for mesenchymal stromal cells (MSC) and reporting guidelines for clinical trials of MSC therapy: a modified Delphi study protocol. <i>BMJ Open</i> , <b>2021</b> , 11, e054740	2.4	1
13	Fully automated estimation of the mean linear intercept in histopathology images of mouse lung tissue. <i>Journal of Medical Imaging</i> , <b>2021</b> , 8, 027501	2.6	1
12	Characterization of a New Monocrotaline Rat Model to Study Chronic Neonatal Pulmonary Hypertension. <i>American Journal of Respiratory Cell and Molecular Biology</i> , <b>2021</b> , 65, 331-334	5.7	1
11	Pulmonary Endothelial Progenitor Cells	203-216	1

10	The elusive pulmonary neuroendocrine cell: How rare diseases may help solving common diseases.. <i>Developmental Cell</i> , <b>2022</b> , 57, 837-838	10.2	1
9	Insights into the mechanisms of alveolarization - Implications for lung regeneration and cell therapies. <i>Seminars in Fetal and Neonatal Medicine</i> , <b>2021</b> , 101243	3.7	0
8	A systematic approach to enhance transparency in mesenchymal stromal cell research.. <i>Cytotherapy</i> , <b>2022</b> ,	4.8	0
7	Closing gaps, opening doors: an experimental collaboration in stem cell intervention. <i>Molecular Biology Reports</i> , <b>2020</b> , 47, 4105-4108	2.8	
6	In Reply. <i>Stem Cells Translational Medicine</i> , <b>2016</b> , 5, 703-4	6.9	
5	Commentary on Ibuprofen for the prevention of patent ductus arteriosus in preterm and/or low birth weight infants and Ibuprofen for the treatment of patent ductus arteriosus in preterm and/or low birth weight infants <i>Evidence-Based Child Health: A Cochrane Review Journal</i> , <b>2006</b> , 1, 850-853		
4	The differentiation of embryonic stem cells and induced pluripotent stem cells into airway and alveolar epithelial cells <b>2022</b> , 95-127		
3	The comprehensive transcriptome of human ductus arteriosus smooth muscle cells (hDASMC).. <i>Data in Brief</i> , <b>2022</b> , 40, 107736	1.2	
2	Lung Vasculogenesis and Angiogenesis. <i>Pancreatic Islet Biology</i> , <b>2015</b> , 25-41	0.4	
1	Stem Cell Therapy in Neonates The Time Has (Almost) Come <b>2019</b> , 1-18		