Heber C Nielsen

List of Publications by Year
in descending order

111	2,286	186265	243625
papers	citations	28 h-index	44 g-index

129	129	129	1902
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Expression of Hoxbâ€5 during human lung development and in congenital lung malformations. Birth Defects Research Part A: Clinical and Molecular Teratology, 2003, 67, 550-556.	1.6	100
2	Association of Pulmonary Surfactant Protein A (SP-A) Gene and Respiratory Distress Syndrome: Interaction with SP-B. Pediatric Research, 1998, 43, 169-177.	2.3	100
3	Dihydrotestosterone Inhibits Fetal Rabbit Pulmonary Surfactant Production. Journal of Clinical Investigation, 1982, 69, 611-616.	8.2	92
4	Early Minimal Feedings Promote Growth in Critically Ill Premature Infants. Neonatology, 1995, 67, 172-181.	2.0	86
5	Sex Differences in Fetal Rabbit Pulmonary Surfactant Production. Pediatric Research, 1981, 15, 1245-1247.	2.3	79
6	Asthma across the ages: Knowledge gaps in childhood asthma. Journal of Allergy and Clinical Immunology, 2014, 133, 3-13.	2.9	78
7	Neonatal outcome of very premature infants from multiple and singleton gestations. American Journal of Obstetrics and Gynecology, 1997, 177, 653-659.	1.3	72
8	Role of Neuregulin-1Î² in the Developing Lung. American Journal of Respiratory and Critical Care Medicine, 2003, 167, 1711-1716.	5.6	67
9	Insulin-like growth factor-1 (IGF-1) and IGF-1 receptor (IGF-1R) expression in human lung in RDS and BPD. Pediatric Pulmonology, 2004, 37, 128-136.	2.0	65
10	Hoxb-5 expression in the developing mouse lung suggests a role in branching morphogenesis and epithelial cell fate. Histochemistry and Cell Biology, 1997, 108, 495-504.	1.7	64
11	Insulin-like Growth Factor-I Signaling Mechanisms, Type I Collagen and Alpha Smooth Muscle Actin in Human Fetal Lung Fibroblasts. Pediatric Research, 2006, 60, 389-394.	2.3	62
12	Pulse oximetry: What's normal in the newborn nursery?. Pediatric Pulmonology, 2000, 30, 406-412.	2.0	60
13	Androgen Regulation of Signaling Pathways in Late Fetal Mouse Lung Development1. Endocrinology, 2000, 141, 2923-2929.	2.8	59
14	Role of matrix metalloprotease-9 in hyperoxic injury in developing lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2008, 295, L584-L592.	2.9	59
15	Dihydrotestosterone Stimulates Branching Morphogenesis, Cell Proliferation, and Programmed Cell Death in Mouse Embryonic Lung Explants. Pediatric Research, 2000, 47, 481-491.	2.3	51
16	miRNA regulated pathways in late stage murine lung development. BMC Developmental Biology, 2013, 13, 13.	2.1	46
17	MiR-221 and miR-130a Regulate Lung Airway and Vascular Development. PLoS ONE, 2013, 8, e55911.	2.5	46
18	Epidermal growth factor influences the developmental clock regulating maturation of the fetal lung fibroblast. Biochimica Et Biophysica Acta - Molecular Cell Research, 1989, 1012, 201-206.	4.1	43

#	Article	IF	Citations
19	Coordination of growth and differentiation in the fetal lung. Experimental Cell Research, 1990, 188, 89-96.	2.6	42
20	Hoxb-5 control of early airway formation during branching morphogenesis in the developing mouse lung. Biochimica Et Biophysica Acta - General Subjects, 2000, 1475, 337-345.	2.4	40
21	Effects of early inhaled beclomethasone therapy on tracheal aspirate inflammatory mediators IL-8 and IL-1ra in ventilated preterm infants at risk for bronchopulmonary dysplasia. Pediatric Pulmonology, 2000, 30, 275-281.	2.0	39
22	Testosterone Regulation of Sex Differences in Fetal Lung Development. Experimental Biology and Medicine, 1992, 199, 446-452.	2.4	37
23	Growth Factor Control of Growth and Epithelial Differentiation in Embryonic Lungs. Biochemical and Molecular Medicine, 1997, 60, 38-48.	1.4	37
24	ErbB receptor dimerization, localization, and co-localization in mouse lung type II epithelial cells. Pediatric Pulmonology, 2006, 41, 1205-1212.	2.0	34
25	Thyroid hormone affects embryonic mouse lung branching morphogenesis and cellular differentiation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2002, 282, L359-L369.	2.9	33
26	ErbB4 regulates the timely progression of late fetal lung development. Biochimica Et Biophysica Acta - Molecular Cell Research, 2010, 1803, 832-839.	4.1	31
27	Elevated endothelin levels are associated with increased placental resistance. American Journal of Obstetrics and Gynecology, 1996, 174, 1599-1604.	1.3	30
28	A Pathogenic Relationship of Bronchopulmonary Dysplasia and Retinopathy of Prematurity? A Review of Angiogenic Mediators in Both Diseases. Frontiers in Pediatrics, 2018, 6, 125.	1.9	30
29	Bioluminescence and second harmonic generation imaging reveal dynamic changes in the inflammatory and collagen landscape in early osteoarthritis. Laboratory Investigation, 2018, 98, 656-669.	3.7	28
30	Regulation of the Epidermal Growth Factor Receptor in Fetal Rat Lung Fibroblasts during Late Gestation*. Endocrinology, 1998, 139, 1671-1677.	2.8	27
31	Differential Effects in Vivo of Thyroid Hormone on the Expression of Surfactant Phospholipid, Surfactant Protein mRNA and Antioxidant Enzyme mRNA in Fetal Rat Lung. Experimental Lung Research, 1998, 24, 641-657.	1.2	26
32	Regulation of Cell Proliferation by Insulin-like Growth Factor 1 in Hyperoxia-Exposed Neonatal Rat Lung. Molecular Genetics and Metabolism, 2002, 75, 265-275.	1.1	26
33	ErbB4 regulates fetal surfactant phospholipid synthesis in primary fetal rat type II cells. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2007, 293, L429-L435.	2.9	26
34	Aberrant cell adhesion molecule expression in human bronchopulmonary sequestration and congenital cystic adenomatoid malformation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L143-L152.	2.9	26
35	Expression and Activity of Epidermal Growth Factor Receptor in Late Fetal Rat Lung Is Cell- and Sex-Specific. Experimental Cell Research, 1998, 239, 69-81.	2.6	25
36	Association of bronchopulmonary sequestration with expression of the homeobox protein Hoxb-5. Journal of Pediatric Surgery, 2000, 35, 1817-1819.	1.6	25

#	Article	IF	Citations
37	Sex Differences in Avian Embryo Pulmonary Surfactant Production: Evidence for Sex Chromosome Involvement*. Endocrinology, 1985, 117, 31-37.	2.8	24
38	Delayed Lung Maturation in the Macrosomic Offspring of Genetically Determined Diabetic (db/+) Mice1. Pediatric Research, 1989, 25, 173-179.	2.3	23
39	Growth factors and dexamethasone regulate Hoxb5 protein in cultured murine fetal lungs. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1998, 274, L610-L620.	2.9	23
40	Hoxa-5 in mouse developing lung: cell-specific expression and retinoic acid regulation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2000, 279, L863-L871.	2.9	22
41	Development of fibroblast-type-II cell communications in fetal rabbit lung organ culture. Biochimica Et Biophysica Acta - Molecular Cell Research, 1992, 1175, 95-99.	4.1	21
42	Presenilin-1 processing of ErbB4 in fetal type II cells is necessary for control of fetal lung maturation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2011, 1813, 480-491.	4.1	19
43	Mesenchymal Nuclear Transcription Factors in Nitrofen-Induced Hypoplastic Lung. Journal of Surgical Research, 2002, 108, 203-211.	1.6	18
44	The ErbB4 receptor in fetal rat lung fibroblasts and epithelial type II cells. Biochimica Et Biophysica Acta - Molecular Basis of Disease, 2007, 1772, 737-747.	3.8	18
45	HoxB-5 down regulation alters Tenascin-C, FGF10 AND HoxB gene expression patterns in pseudoglandular period fetal mouse lung. Frontiers in Bioscience - Landmark, 2007, 12, 860.	3.0	18
46	Regulatory Interactions between Androgens, Hoxb5, and TGFÎ²Signaling in Murine Lung Development. BioMed Research International, 2013, 2013, 1-12.	1.9	17
47	ErbB4 REGULATES SURFACTANT SYNTHESIS AND PROLIFERATION IN ADULT RAT PULMONARY EPITHELIAL CELLS. Experimental Lung Research, 2009, 35, 29-47.	1.2	16
48	Pigment Epitheliumâ€“Derived Factor Mediates Impaired Lung Vascular Development in Neonatal Hyperoxia. American Journal of Respiratory Cell and Molecular Biology, 2015, 52, 295-303.	2.9	16
49	CCN5 in alveolar epithelial proliferation and differentiation during neonatal lung oxygen injury. Journal of Cell Communication and Signaling, 2018, 12, 217-229.	3.4	15
50	A purinergic P2Y6 receptor agonist prodrug modulates airway inflammation, remodeling, and hyperreactivity in a mouse model of asthma. Journal of Asthma and Allergy, 2018, Volume 11, 159-171.	3.4	15
51	Surfactant Phospholipid Ontogeny in Fetal Rabbit Lung Lavage and Amniotic Fluid. Neonatology, 1981, 39, 266-271.	2.0	15
52	Sex-specific differences in rabbit fetal lung maturation in response to epidermal growth factor. Biochimica Et Biophysica Acta - Molecular Cell Research, 1992, 1133, 121-126.	4.1	14
53	Modulation of IGF-Binding Protein-2 and -3 in Hyperoxic Injury in Developing Rat Lung. Pediatric Research, 2005, 58, 222-228.	2.3	14
54	Androgen Regulation of Signaling Pathways in Late Fetal Mouse Lung Development. Endocrinology, 2000, 141, 2923-2929.	2.8	14

#	Article	IF	Citations
55	Pigment Epithelium-Derived Factor (PEDF) mediates cartilage matrix loss in an age-dependent manner under inflammatory conditions. BMC Musculoskeletal Disorders, 2017, 18, 39.	1.9	12
56	Failure to Detect a Stimulatory Effect of Estradiol-17Î² on Ovine Fetal Lung Maturation. Pediatric Research, 1987, 22, 145-149.	2.3	10
57	Effect of Exogenous Surfactant on the Development of Surfactant Synthesis in Premature Rabbit Lung. Pediatric Research, 2003, 53, 671-678.	2.3	10
58	The role of ILâ€6 and ILâ€11 in hyperoxic injury in developing lung. Pediatric Pulmonology, 2008, 43, 297-304.	2.0	10
59	Lack of Sex Differences in Antioxidant Enzyme Development in the Fetal Rabbit Lung. Pediatric Research, 1989, 26, 16-19.	2.3	9
60	Neuregulin-ErbB4 signaling in the developing lung alveolus: a brief review. Journal of Cell Communication and Signaling, 2014, 8, 105-111.	3.4	9
61	Targeting Airway Smooth Muscle Hypertrophy in Asthma: An Approach Whose Time Has Come. Journal of Asthma and Allergy, 2021, Volume 14, 539-556.	3.4	9
62	Cell-specific and developmental expression of phospholipase C-Î³ and diacylglycerol in fetal lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2003, 284, L808-L816.	2.9	8
63	Effects of epidermal growth factor (EGF) on the development of EGF-receptor (EGF-R) binding in fetal rabbit lung organ culture. , 2000, 29, 27-33.		7
64	Thyroid hormone affects distal airway formation during the late pseudoglandular period of mouse lung development. Molecular Genetics and Metabolism, 2003, 80, 242-254.	1.1	7
65	Dihydrotestosterone Potentiates EGF-Induced ERK Activation by Inducing SRC in Fetal Lung Fibroblasts. American Journal of Respiratory Cell and Molecular Biology, 2014, 51, 114-124.	2.9	7
66	The Molecular Apgar Score: A Key to Unlocking Evolutionary Principles. Frontiers in Pediatrics, 2017, 5, 45.	1.9	7
67	Transforming Growth Factor Beta 1 Binding and Receptor Kinetics in Fetal Mouse Lung Fibroblasts. Experimental Biology and Medicine, 1998, 218, 51-61.	2.4	6
68	EXPRESSION OF SPECIFIC PROTEIN KINASE C (PKC) ISOFORMS AND LIGAND-SPECIFIC ACTIVATION OF PKCÎ± IN LATE GESTATION FETAL LUNG. Experimental Lung Research, 2007, 33, 185-196.	1.2	6
69	Dissociated presenilin-1 and TACE processing of ErbB4 in lung alveolar type II cell differentiation. Biochimica Et Biophysica Acta - Molecular Cell Research, 2014, 1843, 797-805.	4.1	6
70	What is the identity of fibroblast-pneumocyte factor?. Pediatric Research, 2016, 80, 768-776.	2.3	6
71	Uptake of the 35 kDa major surfactant apoprotein (SP-A) by neonatal rabbit lung tissue. Lipids and Lipid Metabolism, 1989, 1002, 1-7.	2.6	5
72	Interdependent TTF1 - ErbB4 interactions are critical for surfactant protein-B homeostasis in primary mouse lung alveolar type II cells. Journal of Cell Communication and Signaling, 2015, 9, 207-215.	3.4	5

#	Article	IF	Citations
73	Oxygen differentially affects the hox proteins Hoxb5 and Hoxa5 altering airway branching and lung vascular formation. Journal of Cell Communication and Signaling, 2014, 8, 231-244.	3.4	3
74	IgE mediates broncho-vascular remodeling after neonatal sensitization in mice. Frontiers in Bioscience - Elite, 2016, 8, 370-377.	1.8	3
75	Sex Differences in Fetal Lung Development Biology, Etiology, and Evolutionary Significance. , 0, , 141-159.		3
76	Expressed Breast Milk Analysis: Role of Individualized Protein Fortification to Avoid Protein Deficit After Preterm Birth and Improve Infant Outcomes. Frontiers in Pediatrics, 2021, 9, 652038.	1.9	3
77	DEVELOPMENTAL LOCALIZATION OF 2.1 PROTEIN IN MOUSE FETAL LUNG SUGGESTS A ROLE IN DETERMINATION OF CELL FATE. Pediatric Research, 1994, 35, 284-284.	2.3	2
78	Use of ultrasonography for diagnosis and management of neonatal brain abscess. Pediatric Infectious Disease Journal, 1983, 2, 460-461.	2.0	1
79	Reply. Journal of Allergy and Clinical Immunology, 2014, 133, 1776-1777.	2.9	1
80	Response to Torday. Pediatric Research, 2017, 82, 3-3.	2.3	1
81	ErbB4 alternative splicing mediates fetal mouse alveolar type II cell differentiation in vitro. Pediatric Research, 2022, , .	2.3	1
82	A Simple Monitoring Console for Use in Transporting Newborns. Clinical Pediatrics, 1977, 16, 333-334.	0.8	0
83	DEVELOPMENTAL REGULATION OF HOX GENE EXPRESSION IN FETAL MOUSE LUNG. Pediatric Research, 1992, 32, 621-621.	2.3	0
84	Clinical Dilemma in Triplet Pregnancy: When Is It Appropriate to Intervene for a Jeopardized Fetus?. Journal of Perinatology, 2003, 23, 229-234.	2.0	0
85	Presenilin-1 Is Crucial For Surfactant Protein B And C MRNA Expression In Murine MLE-12 Cells. , 2010, , .		0
86	Androgen Inhibits TACE-Mediated Components Of Fetal Type II Cell Surfactant Synthesis. , 2010, , .		0
87	Modest Oxygen (FiO2 0.4) Effects On Hox Protein Expression Correlate With Altered Airway And Blood Vessel Formation In Developing Mouse Lung. , 2010, , .		0
88	Growth Factor Stimulation Induces Shc Nuclear Localization Independently Of Receptor Translocation. , 2011, , .		0
89	MiR-221 And MiR-130 In Developing Lung: Role In Hox Gene Regulation In Vascular And Epithelial Morphogenesis. , 2011, , .		0
90	ERBB4 Drives The Age-Related Type II Cell EMT Behavior. , 2011, , .		0

#	Article	IF	Citations
91	A New Compass for Activin Researchâ€"A Triumph for Systems Biology. Endocrinology, 2011, 152, 3587-3588.	2.8	0
92	Vascular Remodeling In Asthma: Mechanism Of Expression Of Vascular Endothelial Growth Factor (VEGF). , 2012, , .		0
93	Opposing Roles Of MiR-221 And MiR-130a In Neovascularization During Lung Branching Morphogenesis. , 2012, , .		0
94	Dihydrotestosterone Activates Src To Increase ErbB-1-Mediated Erk Activation In Fetal Lung Fibroblasts. , 2012, , .		0
95	Ã¢â‚¬Å“PADdingÃ¢â‚¬Â•My Career with Dr. Mary Ellen Avery. Frontiers in Pediatrics, 2014, 2, 29.	1.9	0
96	Response to â€œCommentary on identity of fibroblast pneumocyte factor: rat vs. humanâ€• Pediatric Research, 2017, 82, 6-7.	2.3	0
97	Growth factors in the therapy of bronchopulmonary dyplasia. , 2020, , 149-168.		0
98	Homeobox Genes. , 2004, , 65-71.		0
99	Homeobox Genes. , 2011, , 78-93.		0
100	DIHYDROTESTOSTERONE (DHT) STIMULATES BRANCHING MORPHOGENESIS IN EMBRYONIC LUNG EXPLANTS. â–´ 361. Pediatric Research, 1996, 39, 63-63.	2.3	0
101	DIFFERENTIAL INFLUENCE OF EGF, TGFÎ²1, DHT, AND CORTISOL ON EGF-RECEPTOR(EGF-R) BINDING ACTIVITY IN LATE GESTATION FETAL RAT LUNG FIBROBLASTS.â€ 335. Pediatric Research, 1996, 39, 58-58.	2.3	0
102	Hoxa5 in Developing Lung: Protein Expression and CellSpecific Regulation by Retinoic Acid 270. Pediatric Research, 1997, 41, 47-47.	2.3	0
103	SPATIAL AND TEMPORAL EXPRESSION OF HOX PROTEINS IN THE DEVELOPING SWISS WEBSTER MOUSE SMALL INTESTINE. â€ 242. Pediatric Research, 1997, 41, 43-43.	2.3	0
104	Control of Proximal Airway Branching in Developing Mouse Lung Morphogenesisâ€¢ 318. Pediatric Research, 1998, 43, 57-57.	2.3	0
105	Cell-Specific Regulation of Hoxa-5 by Retinoic Acid in Developing Mouse Lungâ€ 277. Pediatric Research, 1998, 43, 50-50.	2.3	0
106	Cell-Specific and Developmental Expression of Phospholipase CÎ³ (PLCÎ³) in the Fetal Lung. Pediatric Research, 1999, 45, 59A-59A.	2.3	0
107	Mechanism of Cell-Specific Stimulation of Hoxa-5 Gene Expression by Retinoic Acid in Fetal Mouse Lung Fibroblasts and MLE12 Cells. Pediatric Research, 1999, 45, 55A-55A.	2.3	0
108	Oxygen-Induced Fibroblast Proliferation in Human Fetal Lung Cells Is Mediated by Insulin-Like Growth Factor-1. Pediatric Research, 1999, 45, 49A-49A.	2.3	0

#	Article	IF	Citations
109	Thyroid Hormon Affects Embryonic Mouse Lung Branching Morphogenesis and Cellular Differentiation. Pediatric Research, 1999, 45, 47A-47A.	2.3	0
110	Expressed breast milk analysis: an innovative tool in optimizing protein energy ratio and avoiding protein deficit after preterm birth (635.3). FASEB Journal, 2014, 28, 635.3.	0.5	0
111	IgE mediates broncho-vascular remodeling after neonatal sensitization in mice. Frontiers in Bioscience - Elite, 2016, 8, 370-377.	1.8	0