Stuart Brian Hooper

List of Publications by Year in Descending Order

184 papers	5,799 citations	41 h-index	67 g-index
185 ext. papers	6,676 ext. citations	3.4 avg, IF	5.53 L-index

#	Paper	IF	Citations
184	Stimulating and maintaining spontaneous breathing during transition of preterm infants. *Pediatric Research*, **2021**, 90, 722-730	3.2	7
183	In utero fetal left ventricular rupture and pseudoaneurysm formation: a case report. *BMC Pregnancy and Childbirth*, **2021**, 21, 393	3.2	
182	Seeing the fetus from a DOHaD perspective: discussion paper from the advanced imaging techniques of DOHaD applications workshop held at the 2019 DOHaD World Congress. *Journal of Developmental Origins of Health and Disease*, **2021**, 12, 153-167	2.4	2
181	Does detection of fetal growth restriction improve neonatal outcomes?. *Journal of Paediatrics and Child Health*, **2021**, 57, 677-683	1.3	5
180	Neonatal resuscitation research: closing the gap. *Pediatric Research*, **2021**,	3.2	1
179	The effects of cold, dry and heated, humidified amniotic insufflation on sheep fetal membranes. *Placenta*, **2021**, 114, 1-7	3.4	0
178	Efficacy of Intravenous, Endotracheal, or Nasal Adrenaline Administration During Resuscitation of Near-Term Asphyxiated Lambs. *Frontiers in Pediatrics*, **2020**, 8, 262	3.4	2
177	Establishment of functional residual capacity at birth: Observational study of 821 neonatal resuscitations. *Resuscitation*, **2020**, 153, 71-78	4	7
176	Material Decomposition Using Spectral Propagation-Based Phase-Contrast X-Ray Imaging. *IEEE Transactions on Medical Imaging*, **2020**, 39, 3891-3899	11.7	5
175	Systematic review and network meta-analysis with individual participant data on cord management at preterm birth (iCOMP): study protocol. *BMJ Open*, **2020**, 10, e034595	3	5
174	Glucocorticoid signalling drives reduced versican levels in the fetal mouse lung. *Journal of Molecular Endocrinology*, **2020**, 64, 155-164	4.5	0
173	Emphysema quantified: mapping regional airway dimensions using 2D phase contrast X-ray imaging. *Biomedical Optics Express*, **2020**, 11, 4176-4190	3.5	2
172	Physiological-based cord clamping in very preterm infants - Randomised controlled trial on effectiveness of stabilisation. *Resuscitation*, **2020**, 147, 26-33	4	30
171	Improving Newborn Respiratory Outcomes With a Sustained Inflation: A Systematic Narrative Review of Factors Regulating Outcome in Animal and Clinical Studies. *Frontiers in Pediatrics*, **2020**, 8, 516698	3.4	1
170	Cardiopulmonary Resuscitation of Asystolic Newborn Lambs Prior to Umbilical Cord Clamping; the Timing of Cord Clamping Matters!. *Frontiers in Physiology*, **2020**, 11, 902	4.6	4
169	Comparing the effect of two different interfaces on breathing of preterm infants at birth: A matched-pairs analysis. *Resuscitation*, **2020**, 157, 60-66	4	4
168	Improving lung aeration in ventilated newborn preterm rabbits with a partially aerated lung. *Journal of Applied Physiology*, **2020**, 129, 891-900	3.7	1

167	A randomized trial of oropharyngeal airways to assist stabilization of preterm infants in the delivery room. *Resuscitation*, **2019**, 144, 106-114	4	6
166	The effect of a face mask for respiratory support on breathing in preterm infants at birth. *Resuscitation*, **2019**, 144, 178-184	4	23
165	Effect of lung hypoplasia on the cardiorespiratory transition in newborn lambs. *Journal of Applied Physiology*, **2019**, 127, 568-578	3.7	2
164	Physiological effects of partial amniotic carbon dioxide insufflation with cold, dry vs heated, humidified gas in a sheep model. *Ultrasound in Obstetrics and Gynecology*, **2019**, 53, 340-347	5.8	14
163	High vs. Low Initial Oxygen to Improve the Breathing Effort of Preterm Infants at Birth: Study Protocol for a Randomized Controlled Trial. *Frontiers in Pediatrics*, **2019**, 7, 179	3.4	3
162	Fetal growth restriction is associated with an altered cardiopulmonary and cerebral hemodynamic response to surfactant therapy in preterm lambs. *Pediatric Research*, **2019**, 86, 47-54	3.2	2
161	Human amnion cells for the prevention of bronchopulmonary dysplasia: a protocol for a phase I dose escalation study. *BMJ Open*, **2019**, 9, e026265	3	22
160	Haemodynamic Instability and Brain Injury in Neonates Exposed to Hypoxia?Ischaemia. *Brain Sciences*, **2019**, 9,	3.4	15
159	Time to achieve desired fraction of inspired oxygen using a T-piece ventilator during resuscitation of preterm infants at birth. *Resuscitation*, **2019**, 136, 100-104	4	10
158	Effectiveness of Stabilization of Preterm Infants With Intact Umbilical Cord Using a Purpose-Built Resuscitation Table-Study Protocol for a Randomized Controlled Trial. *Frontiers in Pediatrics*, **2019**, 7, 134	3.4	11
157	Comparison of Two Respiratory Support Strategies for Stabilization of Very Preterm Infants at Birth: A Matched-Pairs Analysis. *Frontiers in Pediatrics*, **2019**, 7, 3	3.4	16
156	Antenatal sildenafil treatment improves neonatal pulmonary hemodynamics and gas exchange in lambs with diaphragmatic hernia. *Ultrasound in Obstetrics and Gynecology*, **2019**, 54, 506-516	5.8	9
155	Transfusion or Timing: The Role of Blood Volume in Delayed Cord Clamping During the Cardiovascular Transition at Birth. *Frontiers in Pediatrics*, **2019**, 7, 405	3.4	4
154	Increasing Respiratory Effort With 100% Oxygen During Resuscitation of Preterm Rabbits at Birth. *Frontiers in Pediatrics*, **2019**, 7, 427	3.4	13
153	The Effect of Initial High vs. Low FiO on Breathing Effort in Preterm Infants at Birth: A Randomized Controlled Trial. *Frontiers in Pediatrics*, **2019**, 7, 504	3.4	22
152	Dose-dependent exacerbation of ventilation-induced lung injury by erythropoietin in preterm newborn lambs. *Journal of Applied Physiology*, **2019**, 126, 44-50	3.7	6
151	Prenatal diagnosis and management of congenital diaphragmatic hernia. *Best Practice and Research in Clinical Obstetrics and Gynaecology*, **2019**, 58, 93-106	4.6	16
150	The physiology of neonatal resuscitation. *Current Opinion in Pediatrics*, **2018**, 30, 187-191	3.2	17

149	The Breathing Effort of Very Preterm Infants at Birth. *Journal of Pediatrics*, **2018**, 194, 54-59	3.6	12
148	Antenatal Medical Therapies to Improve Lung Development in Congenital Diaphragmatic Hernia. *American Journal of Perinatology*, **2018**, 35, 823-836	3.3	4
147	Repetitive versus standard tactile stimulation of preterm infants at birth - A randomized controlled trial. *Resuscitation*, **2018**, 127, 37-43	4	23
146	Effect of Tactile Stimulation on Termination and Prevention of Apnea of Prematurity: A Systematic Review. *Frontiers in Pediatrics*, **2018**, 6, 45	3.4	8
145	Effects of Intrauterine Inflammation on Cortical Gray Matter of Near-Term Lambs. *Frontiers in Pediatrics*, **2018**, 6, 145	3.4	8
144	Baby-directed umbilical cord clamping: A feasibility study. *Resuscitation*, **2018**, 131, 1-7	4	28
143	The Consequences of Preterm Birth and Chorioamnionitis on Brainstem Respiratory Centers: Implications for Neurochemical Development and Altered Functions by Inflammation and Prostaglandins. *Frontiers in Cellular Neuroscience*, **2018**, 12, 26	6.1	12
142	Respiratory changes in term infants immediately after birth. *Resuscitation*, **2018**, 130, 105-110	4	10
141	Haemodynamic effects of prenatal caffeine on the cardiovascular transition in ventilated preterm lambs. *PLoS ONE*, **2018**, 13, e0200572	3.7	1
140	The Effect of Antenatal Betamethasone on White Matter Inflammation and Injury in Fetal Sheep and Ventilated Preterm Lambs. *Developmental Neuroscience*, **2018**, 40, 497-507	2.2	3
139	Ventilation Prior to Umbilical Cord Clamping Improves Cardiovascular Stability and Oxygenation in Preterm Lambs After Exposure to Intrauterine Inflammation. *Frontiers in Pediatrics*, **2018**, 6, 286	3.4	5
138	The effects of partial amniotic carbon dioxide insufflation in an ovine model. *Prenatal Diagnosis*, **2018**, 38, 994-1003	3.2	9
137	Partial amniotic carbon dioxide insufflation for fetal surgery. *Prenatal Diagnosis*, **2018**, 38, 983-993	3.2	7
136	Vagal denervation inhibits the increase in pulmonary blood flow during partial lung aeration at birth. *Journal of Physiology*, **2017**, 595, 1593-1606	3.9	13
135	Lung ultrasound during the initiation of breathing in healthy term and late preterm infants immediately after birth, a prospective, observational study. *Resuscitation*, **2017**, 114, 59-65	4	18
134	Assessment of airway response distribution and paradoxical airway dilation in mice during methacholine challenge. *Journal of Applied Physiology*, **2017**, 122, 503-510	3.7	23
133	Towards evidence-based resuscitation of the newborn infant. *Lancet, The*, **2017**, 389, 1639-1648	40	49
132	Lung hypoplasia in newborn rabbits with a diaphragmatic hernia affects pulmonary ventilation but not perfusion. *Pediatric Research*, **2017**, 82, 536-543	3.2	11

131	Intrauterine Growth Restriction Alters the Postnatal Development of the Rat Cerebellum. *Developmental Neuroscience*, **2017**, 39, 215-227	2.2	13
130	Elevated airway liquid volumes at birth: a potential cause of transient tachypnea of the newborn. *Journal of Applied Physiology*, **2017**, 123, 1204-1213	3.7	17
129	Does growth restriction increase the vulnerability to acute ventilation-induced brain injury in newborn lambs? Implications for future health and disease. *Journal of Developmental Origins of Health and Disease*, **2017**, 8, 556-565	2.4	6
128	The effect of breathing on ductus arteriosus blood flow directly after birth. *European Journal of Pediatrics*, **2017**, 176, 1581-1585	4.1	0
127	Erythropoietin Protects Against Lipopolysaccharide-Induced Microgliosis and Abnormal Granule Cell Development in the Ovine Fetal Cerebellum. *Frontiers in Cellular Neuroscience*, **2017**, 11, 224	6.1	5
126	Tactile Stimulation to Stimulate Spontaneous Breathing during Stabilization of Preterm Infants at Birth: A Retrospective Analysis. *Frontiers in Pediatrics*, **2017**, 5, 61	3.4	23
125	Diffusion Tensor Imaging Colour Mapping Threshold for Identification of Ventilation-Induced Brain Injury after Intrauterine Inflammation in Preterm Lambs. *Frontiers in Pediatrics*, **2017**, 5, 70	3.4	3
124	Altered cardiovascular function at birth in growth-restricted preterm lambs. *Pediatric Research*, **2016**, 80, 538-46	3.2	20
123	Novel Approaches to Neonatal Resuscitation and the Impact on Birth Asphyxia. *Clinics in Perinatology*, **2016**, 43, 455-67	2.8	8
122	Accuracy of currently available neonatal respiratory function monitors for neonatal resuscitation. *European Journal of Pediatrics*, **2016**, 175, 1065-70	4.1	8
121	The perfusion index of healthy term infants during transition at birth. *European Journal of Pediatrics*, **2016**, 175, 475-9	4.1	17
120	Lung ultrasound accurately detects pneumothorax in a preterm newborn lamb model. *Journal of Paediatrics and Child Health*, **2016**, 52, 643-8	1.3	6
119	Single Sustained Inflation followed by Ventilation Leads to Rapid Cardiorespiratory Recovery but Causes Cerebral Vascular Leakage in Asphyxiated Near-Term Lambs. *PLoS ONE*, **2016**, 11, e0146574	3.7	14
118	Cardiorespiratory Monitoring during Neonatal Resuscitation for Direct Feedback and Audit. *Frontiers in Pediatrics*, **2016**, 4, 38	3.4	31
117	Effect of betamethasone, surfactant, and positive end-expiratory pressures on lung aeration at birth in preterm rabbits. *Journal of Applied Physiology*, **2016**, 121, 750-759	3.7	3
116	Increase in pulmonary blood flow at birth: role of oxygen and lung aeration. *Journal of Physiology*, **2016**, 594, 1389-98	3.9	41
115	Optimizing lung aeration at birth using a sustained inflation and positive pressure ventilation in preterm rabbits. *Pediatric Research*, **2016**, 80, 85-91	3.2	17
114	Cardiovascular transition at birth: a physiological sequence. *Pediatric Research*, **2015**, 77, 608-14	3.2	119

113	Cardiopulmonary changes with aeration of the newborn lung. *Paediatric Respiratory Reviews*, **2015**, 16, 147-50	4.8	53
112	Effects of chest compressions on cardiovascular and cerebral hemodynamics in asphyxiated near-term lambs. *Pediatric Research*, **2015**, 78, 395-400	3.2	25
111	Pulse oximetry measures a lower heart rate at birth compared with electrocardiography. *Journal of Pediatrics*, **2015**, 166, 49-53	3.6	86
110	Trop2: from development to disease. *Developmental Dynamics*, **2015**, 244, 99-109	2.9	57
109	Unraveling the Links Between the Initiation of Ventilation and Brain Injury in Preterm Infants. *Frontiers in Pediatrics*, **2015**, 3, 97	3.4	28
108	Ventilation onset prior to umbilical cord clamping (physiological-based cord clamping) improves systemic and cerebral oxygenation in preterm lambs. *PLoS ONE*, **2015**, 10, e0117504	3.7	72
107	Very Preterm Infants Failing CPAP Show Signs of Fatigue Immediately after Birth. *PLoS ONE*, **2015**, 10, e0129592	3.7	15
106	Glucocorticoid regulation of lung development: lessons learned from conditional GR knockout mice. *Molecular Endocrinology*, **2015**, 29, 158-71		46
105	Hemodynamic effects of nasal continuous positive airway pressure in preterm infants with evolving chronic lung disease, a crossover randomized trial. *Journal of Pediatrics*, **2015**, 166, 477-9	3.6	5
104	Surfactant before the first inflation at birth improves spatial distribution of ventilation and reduces lung injury in preterm lambs. *Journal of Applied Physiology*, **2014**, 116, 251-8	3.7	32
103	Respiratory support for premature neonates in the delivery room: effects on cardiovascular function and the development of brain injury. *Pediatric Research*, **2014**, 75, 682-8	3.2	49
102	Circulatory responses to asphyxia differ if the asphyxia occurs in utero or ex utero in near-term lambs. *PLoS ONE*, **2014**, 9, e112264	3.7	14
101	Ventilation before Umbilical Cord Clamping Improves the Physiological Transition at Birth. *Frontiers in Pediatrics*, **2014**, 2, 113	3.4	42
100	Ventilation/perfusion mismatch during lung aeration at birth. *Journal of Applied Physiology*, **2014**, 117, 535-43	3.7	35
99	Noninvasive measurements of hemodynamic transition directly after birth. *Pediatric Research*, **2014** , 75, 448-52	3.2	43
98	Real-time measurement of alveolar size and population using phase contrast x-ray imaging. *Biomedical Optics Express*, **2014**, 5, 4024-38	3.5	14
97	The effects of nasal continuous positive airway pressure on cardiac function in premature infants with minimal lung disease: a crossover randomized trial. *Journal of Pediatrics*, **2014**, 164, 726-9	3.6	19
96	Mesenchymal glucocorticoid receptor regulates the development of multiple cell layers of the mouse lung. *American Journal of Respiratory Cell and Molecular Biology*, **2014**, 50, 419-28	5.7	30

95	Changes in positive end-expiratory pressure alter the distribution of ventilation within the lung immediately after birth in newborn rabbits. *PLoS ONE*, **2014**, 9, e93391	3.7	19
94	Early detection of ventilation-induced brain injury using magnetic resonance spectroscopy and diffusion tensor imaging: an in vivo study in preterm lambs. *PLoS ONE*, **2014**, 9, e95804	3.7	22
93	Protective ventilation of preterm lambs exposed to acute chorioamnionitis does not reduce ventilation-induced lung or brain injury. *PLoS ONE*, **2014**, 9, e112402	3.7	20
92	Evaluating manual inflations and breathing during mask ventilation in preterm infants at birth. *Journal of Pediatrics*, **2013**, 162, 457-63	3.6	65
91	Intrauterine inflammation alters cardiopulmonary but not cerebral hemodynamics during open endotracheal tube suction in preterm lambs. *Pediatric Research*, **2013**, 74, 48-53	3.2	5
90	The role of lung inflation and sodium transport in airway liquid clearance during lung aeration in newborn rabbits. *Pediatric Research*, **2013**, 73, 443-9	3.2	35
89	Measurement of absolute regional lung air volumes from near-field x-ray speckles. *Optics Express*, **2013**, 21, 27905-23	3.3	12
88	Intrauterine inflammation alters fetal cardiopulmonary and cerebral haemodynamics in sheep. *Journal of Physiology*, **2013**, 591, 5061-70	3.9	15
87	Intrauterine inflammation alters cardiopulmonary and cerebral haemodynamics at birth in preterm lambs. *Journal of Physiology*, **2013**, 591, 2127-37	3.9	19
86	Delaying cord clamping until ventilation onset improves cardiovascular function at birth in preterm lambs. *Journal of Physiology*, **2013**, 591, 2113-26	3.9	258
85	Establishing lung gas volumes at birth: interaction between positive end-expiratory pressures and tidal volumes in preterm rabbits. *Pediatric Research*, **2013**, 73, 734-41	3.2	8
84	Mechanical ventilation injury and repair in extremely and very preterm lungs. *PLoS ONE*, **2013**, 8, e63905	3.7	13
83	The administration of 100% oxygen and respiratory drive in very preterm infants at birth. *PLoS ONE* , **2013**, 8, e76898	3.7	7
82	Expired CO2 levels indicate degree of lung aeration at birth. *PLoS ONE*, **2013**, 8, e70895	3.7	61
81	Functional lung imaging during HFV in preterm rabbits. *PLoS ONE*, **2012**, 7, e48122	3.7	6
80	Altered lung motion is a sensitive indicator of regional lung disease. *Annals of Biomedical Engineering*, **2012**, 40, 1160-9	4.7	41
79	Synchrotron-based dynamic computed tomography of tissue motion for regional lung function measurement. *Journal of the Royal Society Interface*, **2012**, 9, 2213-24	4.1	61
78	Effects of caffeine on renal and pulmonary function in preterm newborn lambs. *Pediatric Research*, **2012**, 72, 19-25	3.2	11

77	Inflammation in utero exacerbates ventilation-induced brain injury in preterm lambs. *Journal of Applied Physiology*, **2012**, 112, 481-9	3.7	35
76	Lower back-up rates improve ventilator triggering during assist-control ventilation: a randomized crossover trial. *Journal of Perinatology*, **2012**, 32, 111-6	3.1	11
75	Mapping cardiogenic oscillations using synchrotron-based phase contrast CT imaging **2012**,		1
74	The cardiopulmonary haemodynamic transition at birth is not different between male and female preterm lambs. *Reproduction, Fertility and Development*, **2012**, 24, 510-6	1.8	13
73	Initiation of resuscitation with high tidal volumes causes cerebral hemodynamic disturbance, brain inflammation and injury in preterm lambs. *PLoS ONE*, **2012**, 7, e39535	3.7	86
72	The cerebral critical oxygen threshold of ventilated preterm lambs and the influence of antenatal inflammation. *Journal of Applied Physiology*, **2011**, 111, 775-81	3.7	18
71	Cardiopulmonary haemodynamics in lambs during induced capillary leakage immediately after preterm birth. *Clinical and Experimental Pharmacology and Physiology*, **2011**, 38, 222-8	3	7
70	Surfactant increases the uniformity of lung aeration at birth in ventilated preterm rabbits. *Pediatric Research*, **2011**, 70, 50-5	3.2	35
69	An initial sustained inflation improves the respiratory and cardiovascular transition at birth in preterm lambs. *Pediatric Research*, **2011**, 70, 56-60	3.2	98
68	Combined Lung Imaging and Respiratory Physiology Research at SPring-8. *Synchrotron Radiation News*, **2011**, 24, 19-23	0.6	2
67	Structural and functional development of the respiratory system in a newborn marsupial with cutaneous gas exchange. *Physiological and Biochemical Zoology*, **2011**, 84, 634-49	2	18
66	cAMP response element binding protein is required for differentiation of respiratory epithelium during murine development. *PLoS ONE*, **2011**, 6, e17843	3.7	19
65	Establishing Functional Residual Capacity at Birth. *NeoReviews*, **2010**, 11, e474-e483	1.1	20
64	Ventilation and oxygen: dose-related effects of oxygen on ventilation-induced lung injury. *Pediatric Research*, **2010**, 67, 238-43	3.2	12
63	Intrauterine inflammation causes pulmonary hypertension and cardiovascular sequelae in preterm lambs. *Journal of Applied Physiology*, **2010**, 108, 1757-65	3.7	36
62	X-ray phase, absorption and scatter retrieval using two or more phase contrast images. *Optics Express*, **2010**, 18, 19994-20012	3.3	32
61	A new design for high stability pressure-controlled ventilation for small animal lung imaging. *Journal of Instrumentation*, **2010**, 5, T02002-T02002	1	27
60	Assessment of gas flow waves for endotracheal tube placement in an ovine model of neonatal resuscitation. *Resuscitation*, **2010**, 81, 737-41	4	13

59	Establishing functional residual capacity at birth: the effect of sustained inflation and positive end-expiratory pressure in a preterm rabbit model. *Pediatric Research*, **2009**, 65, 537-41	3.2	148
58	Effect of sustained inflation length on establishing functional residual capacity at birth in ventilated premature rabbits. *Pediatric Research*, **2009**, 66, 295-300	3.2	124
57	Antenatal corticosteroids increase fetal, but not postnatal, pulmonary blood flow in sheep. *Pediatric Research*, **2009**, 66, 283-8	3.2	22
56	Dynamic changes in the direction of blood flow through the ductus arteriosus at birth. *Journal of Physiology*, **2009**, 587, 4695-704	3.9	108
55	Imaging lung aeration and lung liquid clearance at birth using phase contrast X-ray imaging. *Clinical and Experimental Pharmacology and Physiology*, **2009**, 36, 117-25	3	56
54	The past, present, and future of x-ray technology for in vivo imaging of function and form. *Journal of Applied Physics*, **2009**, 105, 102009	2.5	58
53	Inspiration regulates the rate and temporal pattern of lung liquid clearance and lung aeration at birth. *Journal of Applied Physiology*, **2009**, 106, 1888-95	3.7	94
52	Positive end-expiratory pressure enhances development of a functional residual capacity in preterm rabbits ventilated from birth. *Journal of Applied Physiology*, **2009**, 106, 1487-93	3.7	119
51	From liquid to air: breathing after birth. *Journal of Pediatrics*, **2008**, 152, 607-11	3.6	152
50	Simultaneous acquisition of dual analyser-based phase contrast X-ray images for small animal imaging. *European Journal of Radiology*, **2008**, 68, S49-53	4.7	14
49	Ventilation of the very immature lung in utero induces injury and BPD-like changes in lung structure in fetal sheep. *Pediatric Research*, **2008**, 64, 387-92	3.2	40
48	Differential effect of recruitment maneuvres on pulmonary blood flow and oxygenation during HFOV in preterm lambs. *Journal of Applied Physiology*, **2008**, 105, 603-10	3.7	20
47	Identification of glucocorticoid-regulated genes that control cell proliferation during murine respiratory development. *Journal of Physiology*, **2007**, 585, 187-201	3.9	40
46	Thrombospondin-1 expression and localization in the developing ovine lung. *Journal of Physiology*, **2007**, 584, 625-35	3.9	12
45	Blood gases and pulmonary blood flow during resuscitation of very preterm lambs treated with antenatal betamethasone and/or Curosurf: effect of positive end-expiratory pressure. *Pediatric Research*, **2007**, 62, 37-42	3.2	29
44	Imaging lung aeration and lung liquid clearance at birth. *FASEB Journal*, **2007**, 21, 3329-37	0.9	155
43	Deriving respiratory cell types from stem cells. *Current Stem Cell Research and Therapy*, **2007**, 2, 197-208	3.6	12
42	Alveolar epithelial cell differentiation and surfactant protein expression after mild preterm birth in sheep. *Pediatric Research*, **2006**, 59, 151-6	3.2	13

41	Role of Intra-Luminal Pressure in Regulating PBF in the Fetus and After Birth. *Current Pediatric Reviews*, **2006**, 2, 287-299	2.8	16
40	Increases in lung expansion alter pulmonary hemodynamics in fetal sheep. *Journal of Applied Physiology*, **2006**, 101, 273-82	3.7	12
39	Gene expression profiling during increased fetal lung expansion identifies genes likely to regulate development of the distal airways. *Physiological Genomics*, **2006**, 24, 105-13	3.6	32
38	Role of platelet-derived growth factor-B, vascular endothelial growth factor, insulin-like growth factor-II, mitogen-activated protein kinase and transforming growth factor-beta1 in expansion-induced lung growth in fetal sheep. *Reproduction, Fertility and Development*, **2006**, 18, 655-65	1.8	13
37	Effects of antenatal corticosteroid treatment on pulmonary ventilation and circulation in neonatal lambs with hypoplastic lungs. *Pediatric Pulmonology*, **2006**, 41, 844-54	3.5	10
36	Role of the physicochemical environment in lung development. *Clinical and Experimental Pharmacology and Physiology*, **2006**, 33, 273-9	3	28
35	Phase contrast X-ray imaging of mice and rabbit lungs: a comparative study. *British Journal of Radiology*, **2005**, 78, 1018-27	3.4	70
34	Pulmonary function and structure following mild preterm birth in lambs. *Pediatric Pulmonology*, **2005**, 40, 336-48	3.5	24
33	Positive end-expiratory pressure differentially alters pulmonary hemodynamics and oxygenation in ventilated, very premature lambs. *Journal of Applied Physiology*, **2005**, 99, 1453-61	3.7	81
32	Role of Aeration in the Physiological Adaptation of the Lung to Air- Breathing at Birth. *Current Respiratory Medicine Reviews*, **2005**, 1, 185-195	0.3	29
31	Effect of lung hypoplasia on birth-related changes in the pulmonary circulation in sheep. *Pediatric Research*, **2005**, 57, 530-6	3.2	18
30	Effects of tidal volume and positive end-expiratory pressure during resuscitation of very premature lambs. *Acta Paediatrica, International Journal of Paediatrics*, **2005**, 94, 1764-1770	3.1	24
29	Positive end expiratory pressure during resuscitation of premature lambs rapidly improves blood gases without adversely affecting arterial pressure. *Pediatric Research*, **2004**, 56, 198-204	3.2	98
28	Influence of fetal breathing movements on pulmonary hemodynamics in fetal sheep. *Pediatric Research*, **2004**, 56, 932-8	3.2	48
27	Altered epithelial cell proportions in the fetal lung of glucocorticoid receptor null mice. *American Journal of Respiratory Cell and Molecular Biology*, **2004**, 30, 613-9	5.7	72
26	Pulmonary elastin synthesis and deposition in developing and mature sheep: effects of intrauterine growth restriction. *Experimental Lung Research*, **2004**, 30, 405-18	2.3	12
25	Cortisol enhances structural maturation of the hypoplastic fetal lung in sheep. *Journal of Physiology* , **2004**, 554, 505-17	3.9	22
24	Aquaporin gene expression and regulation in the ovine fetal lung. *Journal of Physiology*, **2003**, 551, 503-14	3.9	43

23	Determination of alveolar epithelial cell phenotypes in fetal sheep: evidence for the involvement of basal lung expansion. *Journal of Physiology*, **2002**, 542, 245-53	3.9	44
22	Re-expression of pulmonary surfactant proteins following tracheal obstruction in fetal sheep. *Experimental Physiology*, **2001**, 86, 55-63	2.4	9
21	Effects of intrauterine growth restriction on lung liquid dynamics and lung development in fetal sheep. *American Journal of Obstetrics and Gynecology*, **2001**, 184, 209-16	6.4	77
20	Compromised respiratory function in postnatal lambs after placental insufficiency and intrauterine growth restriction. *Pediatric Research*, **2001**, 50, 641-9	3.2	67
19	Effect of increased lung expansion on surfactant protein mRNA levels in lambs. *Pediatric Research*, **2001**, 50, 720-5	3.2	9
18	Stimulation of lung growth in fetuses with lung hypoplasia leads to altered postnatal lung structure in sheep. *Pediatric Pulmonology*, **2001**, 32, 267-76	3.5	18
17	The compromised intra-uterine environment: implications for future lung health. *Clinical and Experimental Pharmacology and Physiology*, **2000**, 27, 965-74	3	44
16	Changes in lung structure and cellular division induced by tracheal obstruction in fetal sheep. *Experimental Lung Research*, **2000**, 26, 105-19	2.3	50
15	Effect of increased lung expansion on lung growth and development near midgestation in fetal sheep. *Pediatric Research*, **2000**, 47, 806-12	3.2	30
14	Respiratory function in lambs after in utero treatment of lung hypoplasia by tracheal obstruction. *Journal of Applied Physiology*, **1999**, 87, 2296-304	3.7	21
13	Effects of prostaglandin E2 on renal function and lung liquid dynamics in foetal sheep. *Clinical and Experimental Pharmacology and Physiology*, **1998**, 25, 805-12	3	4
12	Role of luminal volume changes in the increase in pulmonary blood flow at birth in sheep. *Experimental Physiology*, **1998**, 83, 833-42	2.4	31
11	Lung liquid production rates and volumes do not decrease before labor in healthy fetal sheep. *Journal of Applied Physiology*, **1997**, 82, 927-32	3.7	38
10	The vulnerability of the fetal sheep brain to hypoxemia at mid-gestation. *Developmental Brain Research*, **1997**, 103, 103-18		102
9	Regulation of lung expansion and lung growth before birth. *Journal of Applied Physiology*, **1996**, 81, 209-24	3.7	283
8	Effect of gestational age on the increase in fetal lung growth following tracheal obstruction. *Experimental Lung Research*, **1996**, 22, 283-98	2.3	40
7	Acidaemia enhances the inhibitory effect of hypoxia on fetal lung liquid secretion in sheep. *Reproduction, Fertility and Development*, **1996**, 8, 327-33	1.8	7
6	Fetal lung liquid: a major determinant of the growth and functional development of the fetal lung. *Clinical and Experimental Pharmacology and Physiology*, **1995**, 22, 235-47	3	192

5	Effect of prolonged catecholamine infusion on heart rate, blood pressure, breathing, and growth in fetal sheep. *Canadian Journal of Physiology and Pharmacology*, **1995**, 73, 1750-8	2.4	9
4	Lung hypoplasia can be reversed by short-term obstruction of the trachea in fetal sheep. *Pediatric Research*, **1995**, 38, 690-6	3.2	84
3	Fetal metabolic responses to hypoxia. *Reproduction, Fertility and Development*, **1995**, 7, 527-38	1.8	24
2	Arginine vasopressin and secretion of fetal lung liquid. *Journal of Applied Physiology*, **1994**, 77, 2511-2	3.7	
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