

# Graeme R Polglase

## List of Publications by Citations

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184  
papers

4,825  
citations

36  
h-index

60  
g-index

198  
ext. papers

5,833  
ext. citations

4.1  
avg, IF

5.48  
L-index

#	Paper	IF	Citations
184	Delaying cord clamping until ventilation onset improves cardiovascular function at birth in preterm lambs. <i>Journal of Physiology</i> , <b>2013</b> , 591, 2113-26	3.9	258
183	Brief, large tidal volume ventilation initiates lung injury and a systemic response in fetal sheep. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2007</b> , 176, 575-81	10.2	209
182	The consequences of chorioamnionitis: preterm birth and effects on development. <i>Journal of Pregnancy</i> , <b>2013</b> , 2013, 412831	2.5	154
181	Injury and inflammation from resuscitation of the preterm infant. <i>Neonatology</i> , <b>2008</b> , 94, 190-6	4	134
180	Cardiovascular transition at birth: a physiological sequence. <i>Pediatric Research</i> , <b>2015</b> , 77, 608-14	3.2	119
179	Bubble continuous positive airway pressure enhances lung volume and gas exchange in preterm lambs. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2007</b> , 176, 63-9	10.2	113
178	Dynamic changes in the direction of blood flow through the ductus arteriosus at birth. <i>Journal of Physiology</i> , <b>2009</b> , 587, 4695-704	3.9	108
177	Neonatal Morbidities of Fetal Growth Restriction: Pathophysiology and Impact. <i>Frontiers in Endocrinology</i> , <b>2019</b> , 10, 55	5.7	105
176	IL-1 mediates pulmonary and systemic inflammatory responses to chorioamnionitis induced by lipopolysaccharide. <i>American Journal of Respiratory and Critical Care Medicine</i> , <b>2009</b> , 179, 955-61	10.2	103
175	Initiation of resuscitation with high tidal volumes causes cerebral hemodynamic disturbance, brain inflammation and injury in preterm lambs. <i>PLoS ONE</i> , <b>2012</b> , 7, e39535	3.7	86
174	Positive end-expiratory pressure differentially alters pulmonary hemodynamics and oxygenation in ventilated, very premature lambs. <i>Journal of Applied Physiology</i> , <b>2005</b> , 99, 1453-61	3.7	81
173	Update on the cardio-vascular adaptation at birth. <i>Italian Journal of Pediatrics</i> , <b>2015</b> , 41,	3.2	78
172	Ventilation onset prior to umbilical cord clamping (physiological-based cord clamping) improves systemic and cerebral oxygenation in preterm lambs. <i>PLoS ONE</i> , <b>2015</b> , 10, e0117504	3.7	72
171	Effect of sustained inflation duration; resuscitation of near-term asphyxiated lambs. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2013</b> , 98, F222-7	4.7	71
170	Inflammation and lung maturation from stretch injury in preterm fetal sheep. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2011</b> , 300, L232-41	5.8	68
169	Airway injury from initiating ventilation in preterm sheep. <i>Pediatric Research</i> , <b>2010</b> , 67, 60-5	3.2	65
168	Intra-amniotic LPS and antenatal betamethasone: inflammation and maturation in preterm lamb lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2012</b> , 302, L380-9	5.8	65

167	The timing of umbilical cord clamping at birth: physiological considerations. <i>Maternal Health, Neonatology and Perinatology</i> , <b>2016</b> , 2, 4	3.4	62
166	Chronic fetal exposure to <i>Ureaplasma parvum</i> suppresses innate immune responses in sheep. <i>Journal of Immunology</i> , <b>2011</b> , 187, 2688-95	5.3	62
165	A physiological approach to the timing of umbilical cord clamping at birth. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2015</b> , 100, F355-60	4.7	59
164	Positive end-expiratory pressure and tidal volume during initial ventilation of preterm lambs. <i>Pediatric Research</i> , <b>2008</b> , 64, 517-22	3.2	56
163	Haemodynamic effects of umbilical cord milking in premature sheep during the neonatal transition. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2018</b> , 103, F539-F546	4.7	54
162	Inflammation in fetal sheep from intra-amniotic injection of <i>Ureaplasma parvum</i> . <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2010</b> , 299, L852-60	5.8	54
161	Cardiopulmonary changes with aeration of the newborn lung. <i>Paediatric Respiratory Reviews</i> , <b>2015</b> , 16, 147-50	4.8	53
160	Cardiovascular and pulmonary consequences of airway recruitment in preterm lambs. <i>Journal of Applied Physiology</i> , <b>2009</b> , 106, 1347-55	3.7	51
159	Respiratory support for premature neonates in the delivery room: effects on cardiovascular function and the development of brain injury. <i>Pediatric Research</i> , <b>2014</b> , 75, 682-8	3.2	49
158	Lung and systemic inflammation in preterm lambs on continuous positive airway pressure or conventional ventilation. <i>Pediatric Research</i> , <b>2009</b> , 65, 67-71	3.2	48
157	Influence of fetal breathing movements on pulmonary hemodynamics in fetal sheep. <i>Pediatric Research</i> , <b>2004</b> , 56, 932-8	3.2	48
156	Ventilation before Umbilical Cord Clamping Improves the Physiological Transition at Birth. <i>Frontiers in Pediatrics</i> , <b>2014</b> , 2, 113	3.4	42
155	Increase in pulmonary blood flow at birth: role of oxygen and lung aeration. <i>Journal of Physiology</i> , <b>2016</b> , 594, 1389-98	3.9	41
154	Antenatal ureaplasma infection impairs development of the fetal ovine gut in an IL-1-dependent manner. <i>Mucosal Immunology</i> , <b>2013</b> , 6, 547-56	9.2	40
153	IL-1 $\beta$ -mediated chorioamnionitis induces depletion of FoxP3 <sup>+</sup> cells and ileal inflammation in the ovine fetal gut. <i>PLoS ONE</i> , <b>2011</b> , 6, e18355	3.7	40
152	Oxygen, temperature and humidity of inspired gases and their influences on airway and lung tissue in near-term lambs. <i>Intensive Care Medicine</i> , <b>2009</b> , 35, 2157-63	14.5	40
151	LPS-induced chorioamnionitis and antenatal corticosteroids modulate Shh signaling in the ovine fetal lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2012</b> , 303, L778-87	5.8	40
150	The role of the multiple banded antigen of <i>Ureaplasma parvum</i> in intra-amniotic infection: major virulence factor or decoy?. <i>PLoS ONE</i> , <b>2012</b> , 7, e29856	3.7	39

149	Physiologically based cord clamping stabilises cardiac output and reduces cerebrovascular injury in asphyxiated near-term lambs. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2018</b> , 103, F530-F538	4.7	39
148	Intrauterine inflammation causes pulmonary hypertension and cardiovascular sequelae in preterm lambs. <i>Journal of Applied Physiology</i> , <b>2010</b> , 108, 1757-65	3.7	36
147	Ventilation/perfusion mismatch during lung aeration at birth. <i>Journal of Applied Physiology</i> , <b>2014</b> , 117, 535-43	3.7	35
146	Inflammation in utero exacerbates ventilation-induced brain injury in preterm lambs. <i>Journal of Applied Physiology</i> , <b>2012</b> , 112, 481-9	3.7	35
145	Ventilation-Induced Brain Injury in Preterm Neonates: A Review of Potential Therapies. <i>Neonatology</i> , <b>2016</b> , 110, 155-62	4	35
144	Cardiovascular Alterations and Multiorgan Dysfunction After Birth Asphyxia. <i>Clinics in Perinatology</i> , <b>2016</b> , 43, 469-83	2.8	34
143	Body temperature effects on lung injury in ventilated preterm lambs. <i>Resuscitation</i> , <b>2010</b> , 81, 749-54	4	34
142	Impact of delivered tidal volume on the occurrence of intraventricular haemorrhage in preterm infants during positive pressure ventilation in the delivery room. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2019</b> , 104, F57-F62	4.7	34
141	Ureaplasma colonization of amniotic fluid and efficacy of antenatal corticosteroids for preterm lung maturation in sheep. <i>American Journal of Obstetrics and Gynecology</i> , <b>2009</b> , 200, 96.e1-6	6.4	33
140	Pulmonary and systemic inflammatory responses to intra-amniotic IL-1 $\beta$ in fetal sheep. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2011</b> , 301, L285-95	5.8	33
139	Effects of maternal dexamethasone treatment in early pregnancy on pituitary-adrenal axis in fetal sheep. <i>Endocrinology</i> , <b>2009</b> , 150, 5466-77	4.8	31
138	Betamethasone dose and formulation for induced lung maturation in fetal sheep. <i>American Journal of Obstetrics and Gynecology</i> , <b>2009</b> , 201, 611.e1-7	6.4	31
137	Physiological-based cord clamping in preterm infants using a new purpose-built resuscitation table: a feasibility study. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2019</b> , 104, F396-F402	4.7	31
136	Effects of intra-amniotic lipopolysaccharide and maternal betamethasone on brain inflammation in fetal sheep. <i>PLoS ONE</i> , <b>2013</b> , 8, e81644	3.7	30
135	Physiological-based cord clamping in very preterm infants - Randomised controlled trial on effectiveness of stabilisation. <i>Resuscitation</i> , <b>2020</b> , 147, 26-33	4	30
134	Pressure- versus volume-limited sustained inflations at resuscitation of premature newborn lambs. <i>BMC Pediatrics</i> , <b>2014</b> , 14, 43	2.6	29
133	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. <i>Pediatric Research</i> , <b>2007</b> , 62, 37-42	3.2	29
132	Early- versus Late-Onset Fetal Growth Restriction Differentially Affects the Development of the Fetal Sheep Brain. <i>Developmental Neuroscience</i> , <b>2017</b> , 39, 141-155	2.2	28

131	Baby-directed umbilical cord clamping: A feasibility study. <i>Resuscitation</i> , <b>2018</b> , 131, 1-7	4	28
130	Unraveling the Links Between the Initiation of Ventilation and Brain Injury in Preterm Infants. <i>Frontiers in Pediatrics</i> , <b>2015</b> , 3, 97	3.4	28
129	Pulmonary vascular and alveolar development in preterm lambs chronically colonized with <i>Ureaplasma parvum</i> . <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2010</b> , 299, L232-41	5.8	28
128	Antenatal and postnatal corticosteroid and resuscitation induced lung injury in preterm sheep. <i>Respiratory Research</i> , <b>2009</b> , 10, 124	7.3	28
127	Human Umbilical Cord Blood Therapy Protects Cerebral White Matter from Systemic LPS Exposure in Preterm Fetal Sheep. <i>Developmental Neuroscience</i> , <b>2018</b> , 40, 258-270	2.2	26
126	Detection and assessment of brain injury in the growth-restricted fetus and neonate. <i>Pediatric Research</i> , <b>2017</b> , 82, 184-193	3.2	25
125	Human Amnion Epithelial Cells Modulate Ventilation-Induced White Matter Pathology in Preterm Lambs. <i>Developmental Neuroscience</i> , <b>2015</b> , 37, 338-48	2.2	25
124	Effects of chest compressions on cardiovascular and cerebral hemodynamics in asphyxiated near-term lambs. <i>Pediatric Research</i> , <b>2015</b> , 78, 395-400	3.2	25
123	Lung ultrasound immediately after birth to describe normal neonatal transition: an observational study. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2018</b> , 103, F157-F162	4.7	25
122	Interleukin-1 in lipopolysaccharide induced chorioamnionitis in the fetal sheep. <i>Reproductive Sciences</i> , <b>2011</b> , 18, 1092-102	3	25
121	Pressure-limited sustained inflation vs. gradual tidal inflations for resuscitation in preterm lambs. <i>Journal of Applied Physiology</i> , <b>2015</b> , 118, 890-7	3.7	24
120	Fetal responses to lipopolysaccharide-induced chorioamnionitis alter immune and airway responses in 7-week-old sheep. <i>American Journal of Obstetrics and Gynecology</i> , <b>2011</b> , 204, 364.e17-24	6.4	24
119	Inhibitors of inflammation and endogenous surfactant pool size as modulators of lung injury with initiation of ventilation in preterm sheep. <i>Respiratory Research</i> , <b>2010</b> , 11, 151	7.3	24
118	Ovine fetal thymus response to lipopolysaccharide-induced chorioamnionitis and antenatal corticosteroids. <i>PLoS ONE</i> , <b>2012</b> , 7, e38257	3.7	24
117	Preterm growth restriction and bronchopulmonary dysplasia: the vascular hypothesis and related physiology. <i>Journal of Physiology</i> , <b>2019</b> , 597, 1209-1220	3.9	23
116	Maternal and intra-amniotic corticosteroid effects on lung morphometry in preterm lambs. <i>Pediatric Research</i> , <b>2007</b> , 62, 32-6	3.2	23
115	Umbilical cord blood versus mesenchymal stem cells for inflammation-induced preterm brain injury in fetal sheep. <i>Pediatric Research</i> , <b>2019</b> , 86, 165-173	3.2	22
114	Exposure to intrauterine inflammation leads to impaired function and altered structure in the preterm heart of fetal sheep. <i>Clinical Science</i> , <b>2014</b> , 127, 559-69	6.5	22

113	Prophylactic erythropoietin exacerbates ventilation-induced lung inflammation and injury in preterm lambs. <i>Journal of Physiology</i> , <b>2014</b> , 592, 1993-2002	3.9	22
112	Pulmonary and systemic expression of monocyte chemotactic proteins in preterm sheep fetuses exposed to lipopolysaccharide-induced chorioamnionitis. <i>Pediatric Research</i> , <b>2010</b> , 68, 210-5	3.2	22
111	Antenatal corticosteroids increase fetal, but not postnatal, pulmonary blood flow in sheep. <i>Pediatric Research</i> , <b>2009</b> , 66, 283-8	3.2	22
110	Airway inflammatory cell responses to intra-amniotic lipopolysaccharide in a sheep model of chorioamnionitis. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2009</b> , 296, L384-93	5.8	22
109	Early detection of ventilation-induced brain injury using magnetic resonance spectroscopy and diffusion tensor imaging: an in vivo study in preterm lambs. <i>PLoS ONE</i> , <b>2014</b> , 9, e95804	3.7	22
108	Effect of body position and ventilation on umbilical artery and venous blood flows during delayed umbilical cord clamping in preterm lambs. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2017</b> , 102, F312-F319	4.7	21
107	Ureaplasma parvum serovar 3 multiple banded antigen size variation after chronic intra-amniotic infection/colonization. <i>PLoS ONE</i> , <b>2013</b> , 8, e62746	3.7	21
106	Ventilation-mediated injury after preterm delivery of Ureaplasma parvum colonized fetal lambs. <i>Pediatric Research</i> , <b>2010</b> , 67, 630-5	3.2	21
105	Lung recruitment before surfactant administration in extremely preterm neonates with respiratory distress syndrome (IN-REC-SUR-E): a randomised, unblinded, controlled trial. <i>Lancet Respiratory Medicine</i> , <b>2021</b> , 9, 159-166	35.1	21
104	Altered cardiovascular function at birth in growth-restricted preterm lambs. <i>Pediatric Research</i> , <b>2016</b> , 80, 538-46	3.2	20
103	Cardiac Morphology and Function in Preterm Growth Restricted Infants: Relevance for Clinical Sequelae. <i>Journal of Pediatrics</i> , <b>2017</b> , 188, 128-134.e2	3.6	20
102	Effect of intra-amniotic lipopolysaccharide on nephron number in preterm fetal sheep. <i>American Journal of Physiology - Renal Physiology</i> , <b>2011</b> , 301, F280-5	4.3	20
101	Variable ventilation improves ventilation and lung compliance in preterm lambs. <i>Intensive Care Medicine</i> , <b>2011</b> , 37, 1352-9	14.5	20
100	Differential effect of recruitment manoeuvres on pulmonary blood flow and oxygenation during HFOV in preterm lambs. <i>Journal of Applied Physiology</i> , <b>2008</b> , 105, 603-10	3.7	20
99	Protective ventilation of preterm lambs exposed to acute chorioamnionitis does not reduce ventilation-induced lung or brain injury. <i>PLoS ONE</i> , <b>2014</b> , 9, e112402	3.7	20
98	Intrauterine inflammation alters cardiopulmonary and cerebral haemodynamics at birth in preterm lambs. <i>Journal of Physiology</i> , <b>2013</b> , 591, 2127-37	3.9	19
97	Lung ultrasound during the initiation of breathing in healthy term and late preterm infants immediately after birth, a prospective, observational study. <i>Resuscitation</i> , <b>2017</b> , 114, 59-65	4	18
96	The cerebral critical oxygen threshold of ventilated preterm lambs and the influence of antenatal inflammation. <i>Journal of Applied Physiology</i> , <b>2011</b> , 111, 775-81	3.7	18

95	The physiology of neonatal resuscitation. <i>Current Opinion in Pediatrics</i> , <b>2018</b> , 30, 187-191	3.2	17
94	The effects of dexamethasone treatment in early gestation on hypothalamic-pituitary-adrenal responses and gene expression at 7 months of postnatal age in sheep. <i>Reproductive Sciences</i> , <b>2012</b> , 19, 260-70	3	17
93	Human amnion epithelial cells modulate the inflammatory response to ventilation in preterm lambs. <i>PLoS ONE</i> , <b>2017</b> , 12, e0173572	3.7	17
92	Role of Intra-Luminal Pressure in Regulating PBF in the Fetus and After Birth. <i>Current Pediatric Reviews</i> , <b>2006</b> , 2, 287-299	2.8	16
91	Haemodynamic Instability and Brain Injury in Neonates Exposed to Hypoxia?Ischaemia. <i>Brain Sciences</i> , <b>2019</b> , 9,	3.4	15
90	Determination of Lung Volume and Hemodynamic Changes During High-Frequency Ventilation Recruitment in Preterm Neonates With Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , <b>2015</b> , 43, 1685-91	1.4	15
89	Impact of intrauterine growth restriction on preterm lung disease. <i>Acta Paediatrica, International Journal of Paediatrics</i> , <b>2015</b> , 104, e552-6	3.1	15
88	Intrauterine inflammation alters fetal cardiopulmonary and cerebral haemodynamics in sheep. <i>Journal of Physiology</i> , <b>2013</b> , 591, 5061-70	3.9	15
87	High positive end-expiratory pressure during high-frequency jet ventilation improves oxygenation and ventilation in preterm lambs. <i>Pediatric Research</i> , <b>2011</b> , 69, 319-24	3.2	15
86	Circulatory responses to asphyxia differ if the asphyxia occurs in utero or ex utero in near-term lambs. <i>PLoS ONE</i> , <b>2014</b> , 9, e112264	3.7	14
85	Ventilation-induced increases in EGFR ligand mRNA are not altered by intra-amniotic LPS or ureaplasma in preterm lambs. <i>PLoS ONE</i> , <b>2014</b> , 9, e96087	3.7	14
84	Single Sustained Inflation followed by Ventilation Leads to Rapid Cardiorespiratory Recovery but Causes Cerebral Vascular Leakage in Asphyxiated Near-Term Lambs. <i>PLoS ONE</i> , <b>2016</b> , 11, e0146574	3.7	14
83	Ventilation-induced lung injury is not exacerbated by growth restriction in preterm lambs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , <b>2016</b> , 310, L213-23	5.8	14
82	Vagal denervation inhibits the increase in pulmonary blood flow during partial lung aeration at birth. <i>Journal of Physiology</i> , <b>2017</b> , 595, 1593-1606	3.9	13
81	Use of Intraosseous Needles in Neonates: A Systematic Review. <i>Neonatology</i> , <b>2019</b> , 116, 305-314	4	13
80	An authentic animal model of the very preterm infant on nasal continuous positive airway pressure. <i>Intensive Care Medicine Experimental</i> , <b>2015</b> , 3, 51	3.7	13
79	The cardiopulmonary haemodynamic transition at birth is not different between male and female preterm lambs. <i>Reproduction, Fertility and Development</i> , <b>2012</b> , 24, 510-6	1.8	13
78	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. <i>Reproduction, Fertility and Development</i> , <b>2006</b> , 18, 655-65	1.8	13

77	Efficacy of a new technique - INTubate-REcruit-SURfactant-Extubate - "IN-REC-SUR-E" - in preterm neonates with respiratory distress syndrome: study protocol for a randomized controlled trial. <i>Trials</i> , <b>2016</b> , 17, 414	2.8	13
76	Neuropathology as a consequence of neonatal ventilation in premature growth-restricted lambs. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , <b>2018</b> , 315, R1183-R1194	3.2	13
75	The Consequences of Preterm Birth and Chorioamnionitis on Brainstem Respiratory Centers: Implications for Neurochemical Development and Altered Functions by Inflammation and Prostaglandins. <i>Frontiers in Cellular Neuroscience</i> , <b>2018</b> , 12, 26	6.1	12
74	Increases in lung expansion alter pulmonary hemodynamics in fetal sheep. <i>Journal of Applied Physiology</i> , <b>2006</b> , 101, 273-82	3.7	12
73	Effectiveness of Stabilization of Preterm Infants With Intact Umbilical Cord Using a Purpose-Built Resuscitation Table-Study Protocol for a Randomized Controlled Trial. <i>Frontiers in Pediatrics</i> , <b>2019</b> , 7, 134	3.4	11
72	Moderate preterm birth affects right ventricular structure and function and pulmonary artery blood flow in adult sheep. <i>Journal of Physiology</i> , <b>2018</b> , 596, 5965-5975	3.9	11
71	Effects of antenatal melatonin therapy on lung structure in growth-restricted newborn lambs. <i>Journal of Applied Physiology</i> , <b>2017</b> , 123, 1195-1203	3.7	11
70	Does fetal growth restriction lead to increased brain injury as detected by neonatal cranial ultrasound in premature infants?. <i>Journal of Paediatrics and Child Health</i> , <b>2015</b> , 51, 1103-8	1.3	11
69	Effects of caffeine on renal and pulmonary function in preterm newborn lambs. <i>Pediatric Research</i> , <b>2012</b> , 72, 19-25	3.2	11
68	Neurovascular effects of umbilical cord blood-derived stem cells in growth-restricted newborn lambs : UCBCs for perinatal brain injury. <i>Stem Cell Research and Therapy</i> , <b>2020</b> , 11, 17	8.3	11
67	Differential short-term regional effects of early high dose erythropoietin on white matter in preterm lambs after mechanical ventilation. <i>Journal of Physiology</i> , <b>2016</b> , 594, 1437-49	3.9	10
66	Placental histopathology in preterm fetal growth restriction. <i>Journal of Paediatrics and Child Health</i> , <b>2019</b> , 55, 582-587	1.3	10
65	Experimentally Induced Preterm Birth in Sheep Following a Clinical Course of Antenatal Betamethasone: Effects on Growth and Long-Term Survival. <i>Reproductive Sciences</i> , <b>2017</b> , 24, 1203-1213	3	9
64	Advanced MRI analysis to detect white matter brain injury in growth restricted newborn lambs. <i>NeuroImage: Clinical</i> , <b>2019</b> , 24, 101991	5.3	9
63	Animal models in neonatal resuscitation research: What can they teach us?. <i>Seminars in Fetal and Neonatal Medicine</i> , <b>2018</b> , 23, 300-305	3.7	9
62	Altered canonical Wnt signaling in the ovine fetal lung after exposure to intra-amniotic lipopolysaccharide and antenatal betamethasone. <i>Pediatric Research</i> , <b>2014</b> , 75, 281-7	3.2	9
61	Variable ventilation enhances ventilation without exacerbating injury in preterm lambs with respiratory distress syndrome. <i>Pediatric Research</i> , <b>2012</b> , 72, 384-92	3.2	9
60	Effects of Maternal Sildenafil Treatment on Vascular Function in Growth-Restricted Fetal Sheep. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , <b>2019</b> , 39, 731-740	9.4	8



59	Brain inflammation and injury at 48 h is not altered by human amnion epithelial cells in ventilated preterm lambs. <i>Pediatric Research</i> , <b>2020</b> , 88, 27-37	3.2	8
58	Effects of Intrauterine Inflammation on Cortical Gray Matter of Near-Term Lambs. <i>Frontiers in Pediatrics</i> , <b>2018</b> , 6, 145	3.4	8
57	Ureaplasma parvum undergoes selection in utero resulting in genetically diverse isolates colonizing the chorioamnion of fetal sheep. <i>Biology of Reproduction</i> , <b>2014</b> , 90, 27	3.9	8
56	Maintenance of human amnion epithelial cell phenotype in pulmonary surfactant. <i>Stem Cell Research and Therapy</i> , <b>2014</b> , 5, 107	8.3	8
55	High and low body temperature during the initiation of ventilation for near-term lambs. <i>Resuscitation</i> , <b>2009</b> , 80, 133-7	4	8
54	Cardiopulmonary haemodynamics in lambs during induced capillary leakage immediately after preterm birth. <i>Clinical and Experimental Pharmacology and Physiology</i> , <b>2011</b> , 38, 222-8	3	7
53	Lung ultrasound during newborn resuscitation predicts the need for surfactant therapy in very- and extremely preterm infants. <i>Resuscitation</i> , <b>2021</b> , 162, 227-235	4	7
52	Effect of spontaneous breathing on umbilical venous blood flow and placental transfusion during delayed cord clamping in preterm lambs. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2020</b> , 105, 26-32	4.7	7
51	Optimizing the Dose of Erythropoietin Required to Prevent Acute Ventilation-Induced Cerebral White Matter Injury in Preterm Lambs. <i>Developmental Neuroscience</i> , <b>2017</b> , 39, 298-309	2.2	6
50	Lung ultrasound accurately detects pneumothorax in a preterm newborn lamb model. <i>Journal of Paediatrics and Child Health</i> , <b>2016</b> , 52, 643-8	1.3	6
49	Maternal sildenafil impairs the cardiovascular adaptations to chronic hypoxaemia in fetal sheep. <i>Journal of Physiology</i> , <b>2020</b> , 598, 4405-4419	3.9	6
48	Dose-dependent exacerbation of ventilation-induced lung injury by erythropoietin in preterm newborn lambs. <i>Journal of Applied Physiology</i> , <b>2019</b> , 126, 44-50	3.7	6
47	Systematic review and network meta-analysis with individual participant data on cord management at preterm birth (iCOMP): study protocol. <i>BMJ Open</i> , <b>2020</b> , 10, e034595	3	5
46	Three-dimensional ultrasound cranial imaging and early neurodevelopment in preterm growth-restricted infants. <i>Journal of Paediatrics and Child Health</i> , <b>2018</b> , 54, 420-425	1.3	5
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44	Intrauterine inflammation alters cardiopulmonary but not cerebral hemodynamics during open endotracheal tube suction in preterm lambs. <i>Pediatric Research</i> , <b>2013</b> , 74, 48-53	3.2	5
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41	High-CPAP Does Not Impede Cardiovascular Changes at Birth in Preterm Sheep. <i>Frontiers in Pediatrics</i> , <b>2020</b> , 8, 584138	3-4	5
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39	Transfusion or Timing: The Role of Blood Volume in Delayed Cord Clamping During the Cardiovascular Transition at Birth. <i>Frontiers in Pediatrics</i> , <b>2019</b> , 7, 405	3-4	4
38	The Efficacy of Surfactant Replacement Therapy in the Growth-Restricted Preterm Infant: What is the Evidence?. <i>Frontiers in Pediatrics</i> , <b>2014</b> , 2, 118	3-4	4
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32	Diffusion tensor imaging detects ventilation-induced brain injury in preterm lambs. <i>PLoS ONE</i> , <b>2017</b> , 12, e0188737	3-7	3
31	The effect of sex and prematurity on the cardiovascular baroreflex response in sheep. <i>Experimental Physiology</i> , <b>2018</b> , 103, 9-18	2-4	3
30	Exacerbation of Ventilation-Induced Lung Injury and Inflammation in Preterm Lambs by High-Dose Nanoparticles. <i>Scientific Reports</i> , <b>2017</b> , 7, 14704	4-9	3
29	Diffusion Tensor Imaging Colour Mapping Threshold for Identification of Ventilation-Induced Brain Injury after Intrauterine Inflammation in Preterm Lambs. <i>Frontiers in Pediatrics</i> , <b>2017</b> , 5, 70	3-4	3
28	A comparison of high-frequency jet ventilation and synchronised intermittent mandatory ventilation in preterm lambs. <i>Pediatric Pulmonology</i> , <b>2015</b> , 50, 1286-93	3-5	3
27	Effects of tail docking and castration on stress responses in lambs and the influence of prenatal glucocorticoid treatment. <i>Reproduction, Fertility and Development</i> , <b>2013</b> , 25, 1020-5	1-8	3
26	The effect of human amnion epithelial cells on lung development and inflammation in preterm lambs exposed to antenatal inflammation. <i>PLoS ONE</i> , <b>2021</b> , 16, e0253456	3-7	3
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21	Physiologic-Based Cord Clamping Maintains Core Temperature vs. Immediate Cord Clamping in Near-Term Lambs. <i>Frontiers in Pediatrics</i> , <b>2020</b> , 8, 584983	3.4	2
20	Effect of maternal oxytocin on umbilical venous and arterial blood flows during physiological-based cord clamping in preterm lambs. <i>PLoS ONE</i> , <b>2021</b> , 16, e0253306	3.7	2
19	The cardiovascular response to birth asphyxia is altered by the surrounding environment. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2016</b> , 101, F540-F545	4.7	2
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16	Impact of conventional breath inspiratory time during high-frequency jet ventilation in preterm lambs. <i>Neonatology</i> , <b>2012</b> , 101, 267-73	4	1
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14	Early impact of moderate preterm birth on the structure, function and gene expression of conduit arteries. <i>Experimental Physiology</i> , <b>2020</b> , 105, 1256-1267	2.4	1
13	Hyperpolarised gas filling station for medical imaging using polarised Xe and He. <i>Magnetic Resonance Imaging</i> , <b>2021</b> , 79, 112-120	3.3	1
12	Cord clamping in term and pre-term infants: how should clinicians proceed?. <i>Medical Journal of Australia</i> , <b>2018</b> , 208, 330-331	4	1
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