

# Graeme R Polglase

## List of Publications by Year in descending order

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Version: 2024-02-01

194  
papers

6,539  
citations

70961

41  
h-index

95083

68  
g-index

198  
all docs

198  
docs citations

198  
times ranked

4056  
citing authors

#	ARTICLE	IF	CITATIONS
1	Delaying cord clamping until ventilation onset improves cardiovascular function at birth in preterm lambs. <i>Journal of Physiology</i> , 2013, 591, 2113-2126.	1.3	365
2	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> , 2007, 176, 575-581.	2.5	243
3	Neonatal Morbidities of Fetal Growth Restriction: Pathophysiology and Impact. <i>Frontiers in Endocrinology</i> , 2019, 10, 55.	1.5	237
4	The Consequences of Chorioamnionitis: Preterm Birth and Effects on Development. <i>Journal of Pregnancy</i> , 2013, 2013, 1-11.	1.1	208
5	Cardiovascular transition at birth: a physiological sequence. <i>Pediatric Research</i> , 2015, 77, 608-614.	1.1	170
6	Injury and Inflammation from Resuscitation of the Preterm Infant. <i>Neonatology</i> , 2008, 94, 190-196.	0.9	164
7	Bubble Continuous Positive Airway Pressure Enhances Lung Volume and Gas Exchange in Preterm Lambs. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2007, 176, 63-69.	2.5	137
8	Dynamic changes in the direction of blood flow through the ductus arteriosus at birth. <i>Journal of Physiology</i> , 2009, 587, 4695-4704.	1.3	127
9	IL-1 Mediates Pulmonary and Systemic Inflammatory Responses to Chorioamnionitis Induced by Lipopolysaccharide. <i>American Journal of Respiratory and Critical Care Medicine</i> , 2009, 179, 955-961.	2.5	119
10	Ventilation Onset Prior to Umbilical Cord Clamping (Physiological-Based Cord Clamping) Improves Systemic and Cerebral Oxygenation in Preterm Lambs. <i>PLoS ONE</i> , 2015, 10, e0117504.	1.1	112
11	Initiation of Resuscitation with High Tidal Volumes Causes Cerebral Hemodynamic Disturbance, Brain Inflammation and Injury in Preterm Lambs. <i>PLoS ONE</i> , 2012, 7, e39535.	1.1	107
12	A physiological approach to the timing of umbilical cord clamping at birth. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2015, 100, F355-F360.	1.4	99
13	Positive end-expiratory pressure differentially alters pulmonary hemodynamics and oxygenation in ventilated, very premature lambs. <i>Journal of Applied Physiology</i> , 2005, 99, 1453-1461.	1.2	92
14	Haemodynamic effects of umbilical cord milking in premature sheep during the neonatal transition. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2018, 103, F539-F546.	1.4	84
15	Inflammation and lung maturation from stretch injury in preterm fetal sheep. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 300, L232-L241.	1.3	81
16	Effect of sustained inflation duration; resuscitation of near-term asphyxiated lambs. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2013, 98, F222-F227.	1.4	80
17	The timing of umbilical cord clamping at birth: physiological considerations. <i>Maternal Health, Neonatology and Perinatology</i> , 2016, 2, 4.	1.0	80
18	Airway Injury From Initiating Ventilation in Preterm Sheep. <i>Pediatric Research</i> , 2010, 67, 60-65.	1.1	79

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19	Chronic Fetal Exposure to <i>Ureaplasma parvum</i> Suppresses Innate Immune Responses in Sheep. <i>Journal of Immunology</i> , 2011, 187, 2688-2695.	0.4	74
20	Intra-amniotic LPS and antenatal betamethasone: inflammation and maturation in preterm lamb lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2012, 302, L380-L389.	1.3	73
21	Positive End-Expiratory Pressure and Tidal Volume During Initial Ventilation of Preterm Lambs. <i>Pediatric Research</i> , 2008, 64, 517-522.	1.1	69
22	Cardiopulmonary changes with aeration of the newborn lung. <i>Paediatric Respiratory Reviews</i> , 2015, 16, 147-150.	1.2	66
23	Respiratory support for premature neonates in the delivery room: effects on cardiovascular function and the development of brain injury. <i>Pediatric Research</i> , 2014, 75, 682-688.	1.1	63
24	Inflammation in fetal sheep from intra-amniotic injection of <i>Ureaplasma parvum</i> . <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2010, 299, L852-L860.	1.3	62
25	Ventilation before Umbilical Cord Clamping Improves the Physiological Transition at Birth. <i>Frontiers in Pediatrics</i> , 2014, 2, 113.	0.9	61
26	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> , 2018, 103, F530-F538.	1.4	60
27	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> , 2019, 104, F57-F62.	1.4	58
28	Cardiovascular and pulmonary consequences of airway recruitment in preterm lambs. <i>Journal of Applied Physiology</i> , 2009, 106, 1347-1355.	1.2	57
29	Increase in pulmonary blood flow at birth: role of oxygen and lung aeration. <i>Journal of Physiology</i> , 2016, 594, 1389-1398.	1.3	55
30	Influence of Fetal Breathing Movements on Pulmonary Hemodynamics in Fetal Sheep. <i>Pediatric Research</i> , 2004, 56, 932-938.	1.1	54
31	Cardiovascular Alterations and Multiorgan Dysfunction After Birth Asphyxia. <i>Clinics in Perinatology</i> , 2016, 43, 469-483.	0.8	54
32	Baby-directed umbilical cord clamping: A feasibility study. <i>Resuscitation</i> , 2018, 131, 1-7.	1.3	54
33	Lung and Systemic Inflammation in Preterm Lambs on Continuous Positive Airway Pressure or Conventional Ventilation. <i>Pediatric Research</i> , 2009, 65, 67-71.	1.1	53
34	Physiological-based cord clamping in very preterm infants – Randomised controlled trial on effectiveness of stabilisation. <i>Resuscitation</i> , 2020, 147, 26-33.	1.3	53
35	Ventilation-Induced Brain Injury in Preterm Neonates: A Review of Potential Therapies. <i>Neonatology</i> , 2016, 110, 155-162.	0.9	50
36	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> , 2019, 104, fetalneonatal-2018-315483.	1.4	49

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37	IL-1 $\beta$ Mediated Chorioamnionitis Induces Depletion of FoxP3+ Cells and Ileal Inflammation in the Ovine Fetal Gut. <i>PLoS ONE</i> , 2011, 6, e18355.	1.1	48
38	Antenatal ureaplasma infection impairs development of the fetal ovine gut in an IL-1-dependent manner. <i>Mucosal Immunology</i> , 2013, 6, 547-556.	2.7	48
39	Detection and assessment of brain injury in the growth-restricted fetus and neonate. <i>Pediatric Research</i> , 2017, 82, 184-193.	1.1	48
40	Lung ultrasound immediately after birth to describe normal neonatal transition: an observational study. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2018, 103, F157-F162.	1.4	48
41	Preterm growth restriction and bronchopulmonary dysplasia: the vascular hypothesis and related physiology. <i>Journal of Physiology</i> , 2019, 597, 1209-1220.	1.3	46
42	Effects of Maternal Dexamethasone Treatment in Early Pregnancy on Pituitary-Adrenal Axis in Fetal Sheep. <i>Endocrinology</i> , 2009, 150, 5466-5477.	1.4	45
43	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> , 2012, 303, L778-L787.	1.3	45
44	Oxygen, temperature and humidity of inspired gases and their influences on airway and lung tissue in near-term lambs. <i>Intensive Care Medicine</i> , 2009, 35, 2157-2163.	3.9	43
45	Early- versus Late-Onset Fetal Growth Restriction Differentially Affects the Development of the Fetal Sheep Brain. <i>Developmental Neuroscience</i> , 2017, 39, 141-155.	1.0	43
46	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> , 2021, 9, 159-166.	5.2	42
47	Ventilation/perfusion mismatch during lung aeration at birth. <i>Journal of Applied Physiology</i> , 2014, 117, 535-543.	1.2	41
48	Intrauterine inflammation causes pulmonary hypertension and cardiovascular sequelae in preterm lambs. <i>Journal of Applied Physiology</i> , 2010, 108, 1757-1765.	1.2	40
49	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> , 2011, 301, L285-L295.	1.3	40
50	Unraveling the Links Between the Initiation of Ventilation and Brain Injury in Preterm Infants. <i>Frontiers in Pediatrics</i> , 2015, 3, 97.	0.9	40
51	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> , 2012, 7, e29856.	1.1	40
52	Inflammation in utero exacerbates ventilation-induced brain injury in preterm lambs. <i>Journal of Applied Physiology</i> , 2012, 112, 481-489.	1.2	39
53	Body temperature effects on lung injury in ventilated preterm lambs. <i>Resuscitation</i> , 2010, 81, 749-754.	1.3	38
54	Betamethasone dose and formulation for induced lung maturation in fetal sheep. <i>American Journal of Obstetrics and Gynecology</i> , 2009, 201, 611.e1-611.e7.	0.7	37

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55	Human Umbilical Cord Blood Therapy Protects Cerebral White Matter from Systemic LPS Exposure in Preterm Fetal Sheep. <i>Developmental Neuroscience</i> , 2018, 40, 258-270.	1.0	37
56	Effects of Intra-Amniotic Lipopolysaccharide and Maternal Betamethasone on Brain Inflammation in Fetal Sheep. <i>PLoS ONE</i> , 2013, 8, e81644.	1.1	37
57	Pressure- versus volume-limited sustained inflations at resuscitation of premature newborn lambs. <i>BMC Pediatrics</i> , 2014, 14, 43.	0.7	36
58	Use of Intraosseous Needles in Neonates: A Systematic Review. <i>Neonatology</i> , 2019, 116, 305-314.	0.9	36
59	Umbilical cord blood versus mesenchymal stem cells for inflammation-induced preterm brain injury in fetal sheep. <i>Pediatric Research</i> , 2019, 86, 165-173.	1.1	36
60	Ureaplasma colonization of amniotic fluid and efficacy of antenatal corticosteroids for preterm lung maturation in sheep. <i>American Journal of Obstetrics and Gynecology</i> , 2009, 200, 96.e1-96.e6.	0.7	35
61	Cardiac Morphology and Function in Preterm Growth Restricted Infants: Relevance for Clinical Sequelae. <i>Journal of Pediatrics</i> , 2017, 188, 128-134.e2.	0.9	34
62	Antenatal and postnatal corticosteroid and resuscitation induced lung injury in preterm sheep. <i>Respiratory Research</i> , 2009, 10, 124.	1.4	33
63	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> , 2010, 299, L232-L241.	1.3	33
64	Pressure-limited sustained inflation vs. gradual tidal inflations for resuscitation in preterm lambs. <i>Journal of Applied Physiology</i> , 2015, 118, 890-897.	1.2	32
65	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> , 2007, 62, 37-42.	1.1	31
66	Interleukin-1 in Lipopolysaccharide Induced Chorioamnionitis in the Fetal Sheep. <i>Reproductive Sciences</i> , 2011, 18, 1092-1102.	1.1	31
67	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> , 2017, 102, F312-F319.	1.4	30
68	Haemodynamic Instability and Brain Injury in Neonates Exposed to Hypoxia-Ischaemia. <i>Brain Sciences</i> , 2019, 9, 49.	1.1	30
69	Inhibitors of inflammation and endogenous surfactant pool size as modulators of lung injury with initiation of ventilation in preterm sheep. <i>Respiratory Research</i> , 2010, 11, 151.	1.4	29
70	Effect of intra-amniotic lipopolysaccharide on nephron number in preterm fetal sheep. <i>American Journal of Physiology - Renal Physiology</i> , 2011, 301, F280-F285.	1.3	29
71	Human Amnion Epithelial Cells Modulate Ventilation-Induced White Matter Pathology in Preterm Lambs. <i>Developmental Neuroscience</i> , 2015, 37, 338-348.	1.0	29
72	Altered cardiovascular function at birth in growth-restricted preterm lambs. <i>Pediatric Research</i> , 2016, 80, 538-546.	1.1	29

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73	Lung ultrasound during the initiation of breathing in healthy term and late preterm infants immediately after birth, a prospective, observational study. <i>Resuscitation</i> , 2017, 114, 59-65.	1.3	29
74	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> , 2016, 11, e0146574.	1.1	29
75	Ovine Fetal Thymus Response to Lipopolysaccharide-Induced Chorioamnionitis and Antenatal Corticosteroids. <i>PLoS ONE</i> , 2012, 7, e38257.	1.1	28
76	Prophylactic erythropoietin exacerbates ventilation-induced lung inflammation and injury in preterm lambs. <i>Journal of Physiology</i> , 2014, 592, 1993-2002.	1.3	28
77	Effects of chest compressions on cardiovascular and cerebral hemodynamics in asphyxiated near-term lambs. <i>Pediatric Research</i> , 2015, 78, 395-400.	1.1	28
78	Lung ultrasound during newborn resuscitation predicts the need for surfactant therapy in very- and extremely preterm infants. <i>Resuscitation</i> , 2021, 162, 227-235.	1.3	28
79	Maternal and Intra-amniotic Corticosteroid Effects on Lung Morphometry in Preterm Lambs. <i>Pediatric Research</i> , 2007, 62, 32-36.	1.1	27
80	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> , 2014, 9, e95804.	1.1	27
81	Pulmonary and Systemic Expression of Monocyte Chemotactic Proteins in Preterm Sheep Fetuses Exposed to Lipopolysaccharide-Induced Chorioamnionitis. <i>Pediatric Research</i> , 2010, 68, 210-215.	1.1	26
82	Impact of intrauterine growth restriction on preterm lung disease. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2015, 104, e552-6.	0.7	26
83	The physiology of neonatal resuscitation. <i>Current Opinion in Pediatrics</i> , 2018, 30, 187-191.	1.0	26
84	Exposure to intrauterine inflammation leads to impaired function and altered structure in the preterm heart of fetal sheep. <i>Clinical Science</i> , 2014, 127, 559-569.	1.8	25
85	Protective Ventilation of Preterm Lambs Exposed to Acute Chorioamnionitis Does Not Reduce Ventilation-Induced Lung or Brain Injury. <i>PLoS ONE</i> , 2014, 9, e112402.	1.1	25
86	Antenatal Corticosteroids Increase Fetal, But Not Postnatal, Pulmonary Blood Flow in Sheep. <i>Pediatric Research</i> , 2009, 66, 283-288.	1.1	24
87	Fetal responses to lipopolysaccharide-induced chorioamnionitis alter immune and airway responses in 7-week-old sheep. <i>American Journal of Obstetrics and Gynecology</i> , 2011, 204, 364.e17-364.e24.	0.7	24
88	Neuropathology as a consequence of neonatal ventilation in premature growth-restricted lambs. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R1183-R1194.	0.9	24
89	Differential effect of recruitment manoeuvres on pulmonary blood flow and oxygenation during HFOV in preterm lambs. <i>Journal of Applied Physiology</i> , 2008, 105, 603-610.	1.2	23
90	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> , 2009, 296, L384-L393.	1.3	23

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91	Ventilation-Mediated Injury After Preterm Delivery of Ureaplasma parvum Colonized Fetal Lambs. <i>Pediatric Research</i> , 2010, 67, 630-635.	1.1	23
92	Variable ventilation improves ventilation and lung compliance in preterm lambs. <i>Intensive Care Medicine</i> , 2011, 37, 1352-1359.	3.9	23
93	Determination of Lung Volume and Hemodynamic Changes During High-Frequency Ventilation Recruitment in Preterm Neonates With Respiratory Distress Syndrome. <i>Critical Care Medicine</i> , 2015, 43, 1685-1691.	0.4	23
94	Interleukin-1 blockade attenuates white matter inflammation and oligodendrocyte loss after progressive systemic lipopolysaccharide exposure in near-term fetal sheep. <i>Journal of Neuroinflammation</i> , 2021, 18, 189.	3.1	23
95	Intrauterine inflammation alters cardiopulmonary and cerebral haemodynamics at birth in preterm lambs. <i>Journal of Physiology</i> , 2013, 591, 2127-2137.	1.3	22
96	Human amnion epithelial cells modulate the inflammatory response to ventilation in preterm lambs. <i>PLoS ONE</i> , 2017, 12, e0173572.	1.1	22
97	The cerebral critical oxygen threshold of ventilated preterm lambs and the influence of antenatal inflammation. <i>Journal of Applied Physiology</i> , 2011, 111, 775-781.	1.2	21
98	Ureaplasma parvum Serovar 3 Multiple Banded Antigen Size Variation after Chronic Intra-Amniotic Infection/Colonization. <i>PLoS ONE</i> , 2013, 8, e62746.	1.1	21
99	Physiologically based cord clamping for infants $\geq 32+0$ weeks gestation: A randomised clinical trial and reference percentiles for heart rate and oxygen saturation for infants $\geq 35+0$ weeks gestation. <i>PLoS Medicine</i> , 2022, 19, e1004029.	3.9	21
100	Neurovascular effects of umbilical cord blood-derived stem cells in growth-restricted newborn lambs. <i>Stem Cell Research and Therapy</i> , 2020, 11, 17.	2.4	20
101	Circulatory Responses to Asphyxia Differ if the Asphyxia Occurs In Utero or Ex Utero in Near-Term Lambs. <i>PLoS ONE</i> , 2014, 9, e112264.	1.1	19
102	Ventilation-induced lung injury is not exacerbated by growth restriction in preterm lambs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2016, 310, L213-L223.	1.3	19
103	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> , 2018, 12, 26.	1.8	19
104	Placental histopathology in preterm fetal growth restriction. <i>Journal of Paediatrics and Child Health</i> , 2019, 55, 582-587.	0.4	19
105	Ventilation-Induced Increases in EGFR Ligand mRNA Are Not Altered by Intra-Amniotic LPS or Ureaplasma in Preterm Lambs. <i>PLoS ONE</i> , 2014, 9, e96087.	1.1	19
106	The Effects of Dexamethasone Treatment in Early Gestation on Hypothalamicâ€“Pituitaryâ€“Adrenal Responses and Gene Expression at 7 Months of Postnatal Age in Sheep. <i>Reproductive Sciences</i> , 2012, 19, 260-270.	1.1	18
107	Intrauterine inflammation alters fetal cardiopulmonary and cerebral haemodynamics in sheep. <i>Journal of Physiology</i> , 2013, 591, 5061-5070.	1.3	18
108	Efficacy of a new technique â€“ INTubate-RECRUIT-SURfactant-Extubate â€“ â€œIN-REC-SUR-Eâ€œ in preterm neonates with respiratory distress syndrome: study protocol for a randomized controlled trial. <i>Trials</i> , 2016, 17, 414.	0.7	18

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109	Vagal denervation inhibits the increase in pulmonary blood flow during partial lung aeration at birth. <i>Journal of Physiology</i> , 2017, 595, 1593-1606.	1.3	18
110	Cardiopulmonary Resuscitation of Asystolic Newborn Lambs Prior to Umbilical Cord Clamping; the Timing of Cord Clamping Matters!. <i>Frontiers in Physiology</i> , 2020, 11, 902.	1.3	18
111	Role of Intra-Luminal Pressure in Regulating PBF in the Fetus and After Birth. <i>Current Pediatric Reviews</i> , 2006, 2, 287-299.	0.4	17
112	High Positive End-Expiratory Pressure During High-Frequency Jet Ventilation Improves Oxygenation and Ventilation in Preterm Lambs. <i>Pediatric Research</i> , 2011, 69, 319-324.	1.1	17
113	Effects of antenatal melatonin therapy on lung structure in growth-restricted newborn lambs. <i>Journal of Applied Physiology</i> , 2017, 123, 1195-1203.	1.2	17
114	Moderate preterm birth affects right ventricular structure and function and pulmonary artery blood flow in adult sheep. <i>Journal of Physiology</i> , 2018, 596, 5965-5975.	1.3	17
115	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> , 2019, 7, 134.	0.9	17
116	Respiratory function monitoring to improve the outcomes following neonatal resuscitation: a systematic review and meta-analysis. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2022, 107, 589-596.	1.4	17
117	Differential short-term regional effects of early high dose erythropoietin on white matter in preterm lambs after mechanical ventilation. <i>Journal of Physiology</i> , 2016, 594, 1437-1449.	1.3	16
118	Effects of Maternal Sildenafil Treatment on Vascular Function in Growth-Restricted Fetal Sheep. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 731-740.	1.1	16
119	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> , 2020, 105, 26-32.	1.4	16
120	Systematic review and network meta-analysis with individual participant data on cord management at preterm birth (iCOMP): study protocol. <i>BMJ Open</i> , 2020, 10, e034595.	0.8	16
121	Increases in lung expansion alter pulmonary hemodynamics in fetal sheep. <i>Journal of Applied Physiology</i> , 2006, 101, 273-282.	1.2	15
122	Effects of caffeine on renal and pulmonary function in preterm newborn lambs. <i>Pediatric Research</i> , 2012, 72, 19-25.	1.1	15
123	An authentic animal model of the very preterm infant on nasal continuous positive airway pressure. <i>Intensive Care Medicine Experimental</i> , 2015, 3, 51.	0.9	15
124	Advanced MRI analysis to detect white matter brain injury in growth restricted newborn lambs. <i>NeuroImage: Clinical</i> , 2019, 24, 101991.	1.4	15
125	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> , 2015, 51, 1103-1108.	0.4	14
126	Animal models in neonatal resuscitation research: What can they teach us?. <i>Seminars in Fetal and Neonatal Medicine</i> , 2018, 23, 300-305.	1.1	14



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127	Role of platelet-derived growth factor-B, vascular endothelial growth factor, insulin-like growth factor-II, mitogen-activated protein kinase and transforming growth factor- $\beta$ 21 in expansion-induced lung growth in fetal sheep. <i>Reproduction, Fertility and Development</i> , 2006, 18, 655.	0.1	13
128	The cardiopulmonary haemodynamic transition at birth is not different between male and female preterm lambs. <i>Reproduction, Fertility and Development</i> , 2012, 24, 510.	0.1	13
129	Antenatal Medical Therapies to Improve Lung Development in Congenital Diaphragmatic Hernia. <i>American Journal of Perinatology</i> , 2018, 35, 823-836.	0.6	13
130	Variable ventilation enhances ventilation without exacerbating injury in preterm lambs with respiratory distress syndrome. <i>Pediatric Research</i> , 2012, 72, 384-392.	1.1	12
131	Experimentally Induced Preterm Birth in Sheep Following a Clinical Course of Antenatal Betamethasone: Effects on Growth and Long-Term Survival. <i>Reproductive Sciences</i> , 2017, 24, 1203-1213.	1.1	11
132	Dose-dependent exacerbation of ventilation-induced lung injury by erythropoietin in preterm newborn lambs. <i>Journal of Applied Physiology</i> , 2019, 126, 44-50.	1.2	11
133	Excess cerebral oxygen delivery follows return of spontaneous circulation in near-term asphyxiated lambs. <i>Scientific Reports</i> , 2020, 10, 16443.	1.6	11
134	Maternal sildenafil impairs the cardiovascular adaptations to chronic hypoxaemia in fetal sheep. <i>Journal of Physiology</i> , 2020, 598, 4405-4419.	1.3	11
135	Brain inflammation and injury at 48h is not altered by human amnion epithelial cells in ventilated preterm lambs. <i>Pediatric Research</i> , 2020, 88, 27-37.	1.1	11
136	The effect of human amnion epithelial cells on lung development and inflammation in preterm lambs exposed to antenatal inflammation. <i>PLoS ONE</i> , 2021, 16, e0253456.	1.1	11
137	Altered canonical Wingless-Int signaling in the ovine fetal lung after exposure to intra-amniotic lipopolysaccharide and antenatal betamethasone. <i>Pediatric Research</i> , 2014, 75, 281-287.	1.1	10
138	Physiologic-Based Cord Clamping Maintains Core Temperature vs. Immediate Cord Clamping in Near-Term Lambs. <i>Frontiers in Pediatrics</i> , 2020, 8, 584983.	0.9	10
139	High and low body temperature during the initiation of ventilation for near-term lambs. <i>Resuscitation</i> , 2009, 80, 133-137.	1.3	9
140	Three-dimensional ultrasound cranial imaging and early neurodevelopment in preterm growth-restricted infants. <i>Journal of Paediatrics and Child Health</i> , 2018, 54, 420-425.	0.4	9
141	Reducing Brain Injury of Preterm Infants in the Delivery Room. <i>Frontiers in Pediatrics</i> , 2018, 6, 290.	0.9	9
142	Effects of Intrauterine Inflammation on Cortical Gray Matter of Near-Term Lambs. <i>Frontiers in Pediatrics</i> , 2018, 6, 145.	0.9	9
143	Transfusion or Timing: The Role of Blood Volume in Delayed Cord Clamping During the Cardiovascular Transition at Birth. <i>Frontiers in Pediatrics</i> , 2019, 7, 405.	0.9	9
144	Impact of Acute and Chronic Hypoxia-Ischemia on the Transitional Circulation. <i>Pediatrics</i> , 2021, 147, .	1.0	9

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145	Maintenance of human amnion epithelial cell phenotype in pulmonary surfactant. <i>Stem Cell Research and Therapy</i> , 2014, 5, 107.	2.4	8
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