

Stuart Brian Hooper

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Regulation of lung expansion and lung growth before birth. <i>Journal of Applied Physiology</i> , 1996 , 81, 209-24	3.4	283
183	Delaying cord clamping until ventilation onset improves cardiovascular function at birth in preterm lambs. <i>Journal of Physiology</i> , 2013 , 591, 2113-26	3.9	258
182	Fetal lung liquid: a major determinant of the growth and functional development of the fetal lung. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1995 , 22, 235-47	3	192
181	Imaging lung aeration and lung liquid clearance at birth. <i>FASEB Journal</i> , 2007 , 21, 3329-37	0.9	155
180	From liquid to air: breathing after birth. <i>Journal of Pediatrics</i> , 2008 , 152, 607-11	3.6	152
179	Establishing functional residual capacity at birth: the effect of sustained inflation and positive end-expiratory pressure in a preterm rabbit model. <i>Pediatric Research</i> , 2009 , 65, 537-41	3.2	148
178	Effect of sustained inflation length on establishing functional residual capacity at birth in ventilated premature rabbits. <i>Pediatric Research</i> , 2009 , 66, 295-300	3.2	124
177	Cardiovascular transition at birth: a physiological sequence. <i>Pediatric Research</i> , 2015 , 77, 608-14	3.2	119
176	Positive end-expiratory pressure enhances development of a functional residual capacity in preterm rabbits ventilated from birth. <i>Journal of Applied Physiology</i> , 2009 , 106, 1487-93	3.7	119
175	Dynamic changes in the direction of blood flow through the ductus arteriosus at birth. <i>Journal of Physiology</i> , 2009 , 587, 4695-704	3.9	108
174	The vulnerability of the fetal sheep brain to hypoxemia at mid-gestation. <i>Developmental Brain Research</i> , 1997 , 103, 103-18		102
173	An initial sustained inflation improves the respiratory and cardiovascular transition at birth in preterm lambs. <i>Pediatric Research</i> , 2011 , 70, 56-60	3.2	98
172	Positive end expiratory pressure during resuscitation of premature lambs rapidly improves blood gases without adversely affecting arterial pressure. <i>Pediatric Research</i> , 2004 , 56, 198-204	3.2	98
171	Inspiration regulates the rate and temporal pattern of lung liquid clearance and lung aeration at birth. <i>Journal of Applied Physiology</i> , 2009 , 106, 1888-95	3.7	94
170	Pulse oximetry measures a lower heart rate at birth compared with electrocardiography. <i>Journal of Pediatrics</i> , 2015 , 166, 49-53	3.6	86
169	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	3.7	86
168	Lung hypoplasia can be reversed by short-term obstruction of the trachea in fetal sheep. <i>Pediatric Research</i> , 1995 , 38, 690-6	3.2	84

167	Positive end-expiratory pressure differentially alters pulmonary hemodynamics and oxygenation in ventilated, very premature lambs. <i>Journal of Applied Physiology</i> , 2005 , 99, 1453-61	3.7	81
166	Effects of intrauterine growth restriction on lung liquid dynamics and lung development in fetal sheep. <i>American Journal of Obstetrics and Gynecology</i> , 2001 , 184, 209-16	6.4	77
165	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	3.7	72
164	Altered epithelial cell proportions in the fetal lung of glucocorticoid receptor null mice. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2004 , 30, 613-9	5.7	72
163	Phase contrast X-ray imaging of mice and rabbit lungs: a comparative study. <i>British Journal of Radiology</i> , 2005 , 78, 1018-27	3.4	70
162	Compromised respiratory function in postnatal lambs after placental insufficiency and intrauterine growth restriction. <i>Pediatric Research</i> , 2001 , 50, 641-9	3.2	67
161	Evaluating manual inflations and breathing during mask ventilation in preterm infants at birth. <i>Journal of Pediatrics</i> , 2013 , 162, 457-63	3.6	65
160	Synchrotron-based dynamic computed tomography of tissue motion for regional lung function measurement. <i>Journal of the Royal Society Interface</i> , 2012 , 9, 2213-24	4.1	61
159	Expired CO2 levels indicate degree of lung aeration at birth. <i>PLoS ONE</i> , 2013 , 8, e70895	3.7	61
158	The past, present, and future of x-ray technology for in vivo imaging of function and form. <i>Journal of Applied Physics</i> , 2009 , 105, 102009	2.5	58
157	Trop2: from development to disease. <i>Developmental Dynamics</i> , 2015 , 244, 99-109	2.9	57
156	Imaging lung aeration and lung liquid clearance at birth using phase contrast X-ray imaging. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2009 , 36, 117-25	3	56
155	Cardiopulmonary changes with aeration of the newborn lung. <i>Paediatric Respiratory Reviews</i> , 2015 , 16, 147-50	4.8	53
154	Changes in lung structure and cellular division induced by tracheal obstruction in fetal sheep. <i>Experimental Lung Research</i> , 2000 , 26, 105-19	2.3	50
153	Towards evidence-based resuscitation of the newborn infant. <i>Lancet, The</i> , 2017 , 389, 1639-1648	4.0	49
152	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, 682-8	3.2	49
151	Influence of fetal breathing movements on pulmonary hemodynamics in fetal sheep. <i>Pediatric Research</i> , 2004 , 56, 932-8	3.2	48
150	Glucocorticoid regulation of lung development: lessons learned from conditional GR knockout mice. <i>Molecular Endocrinology</i> , 2015 , 29, 158-71		46

149	Determination of alveolar epithelial cell phenotypes in fetal sheep: evidence for the involvement of basal lung expansion. <i>Journal of Physiology</i> , 2002 , 542, 245-53	3.9	44
148	The compromised intra-uterine environment: implications for future lung health. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2000 , 27, 965-74	3	44
147	Noninvasive measurements of hemodynamic transition directly after birth. <i>Pediatric Research</i> , 2014 , 75, 448-52	3.2	43
146	Aquaporin gene expression and regulation in the ovine fetal lung. <i>Journal of Physiology</i> , 2003 , 551, 503-14	3.9	43
145	Ventilation before Umbilical Cord Clamping Improves the Physiological Transition at Birth. <i>Frontiers in Pediatrics</i> , 2014 , 2, 113	3.4	42
144	Altered lung motion is a sensitive indicator of regional lung disease. <i>Annals of Biomedical Engineering</i> , 2012 , 40, 1160-9	4.7	41
143	Increase in pulmonary blood flow at birth: role of oxygen and lung aeration. <i>Journal of Physiology</i> , 2016 , 594, 1389-98	3.9	41
142	Ventilation of the very immature lung in utero induces injury and BPD-like changes in lung structure in fetal sheep. <i>Pediatric Research</i> , 2008 , 64, 387-92	3.2	40
141	Identification of glucocorticoid-regulated genes that control cell proliferation during murine respiratory development. <i>Journal of Physiology</i> , 2007 , 585, 187-201	3.9	40
140	Effect of gestational age on the increase in fetal lung growth following tracheal obstruction. <i>Experimental Lung Research</i> , 1996 , 22, 283-98	2.3	40
139	Role of fetal breathing movements in control of fetal lung distension. <i>Journal of Applied Physiology</i> , 1993 , 75, 2711-7	3.7	40
138	Lung liquid production rates and volumes do not decrease before labor in healthy fetal sheep. <i>Journal of Applied Physiology</i> , 1997 , 82, 927-32	3.7	38
137	Intrauterine inflammation causes pulmonary hypertension and cardiovascular sequelae in preterm lambs. <i>Journal of Applied Physiology</i> , 2010 , 108, 1757-65	3.7	36
136	Ventilation/perfusion mismatch during lung aeration at birth. <i>Journal of Applied Physiology</i> , 2014 , 117, 535-43	3.7	35
135	The role of lung inflation and sodium transport in airway liquid clearance during lung aeration in newborn rabbits. <i>Pediatric Research</i> , 2013 , 73, 443-9	3.2	35
134	Surfactant increases the uniformity of lung aeration at birth in ventilated preterm rabbits. <i>Pediatric Research</i> , 2011 , 70, 50-5	3.2	35
133	Inflammation in utero exacerbates ventilation-induced brain injury in preterm lambs. <i>Journal of Applied Physiology</i> , 2012 , 112, 481-9	3.7	35
132	Surfactant before the first inflation at birth improves spatial distribution of ventilation and reduces lung injury in preterm lambs. <i>Journal of Applied Physiology</i> , 2014 , 116, 251-8	3.7	32

131	X-ray phase, absorption and scatter retrieval using two or more phase contrast images. <i>Optics Express</i> , 2010 , 18, 19994-20012	3.3	32
130	Gene expression profiling during increased fetal lung expansion identifies genes likely to regulate development of the distal airways. <i>Physiological Genomics</i> , 2006 , 24, 105-13	3.6	32
129	Role of luminal volume changes in the increase in pulmonary blood flow at birth in sheep. <i>Experimental Physiology</i> , 1998 , 83, 833-42	2.4	31
128	Cardiorespiratory Monitoring during Neonatal Resuscitation for Direct Feedback and Audit. <i>Frontiers in Pediatrics</i> , 2016 , 4, 38	3.4	31
127	Mesenchymal glucocorticoid receptor regulates the development of multiple cell layers of the mouse lung. <i>American Journal of Respiratory Cell and Molecular Biology</i> , 2014 , 50, 419-28	5.7	30
126	Effect of increased lung expansion on lung growth and development near midgestation in fetal sheep. <i>Pediatric Research</i> , 2000 , 47, 806-12	3.2	30
125	Physiological-based cord clamping in very preterm infants - Randomised controlled trial on effectiveness of stabilisation. <i>Resuscitation</i> , 2020 , 147, 26-33	4	30
124	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	3.2	29
123	Role of Aeration in the Physiological Adaptation of the Lung to Air- Breathing at Birth. <i>Current Respiratory Medicine Reviews</i> , 2005 , 1, 185-195	0.3	29
122	Baby-directed umbilical cord clamping: A feasibility study. <i>Resuscitation</i> , 2018 , 131, 1-7	4	28
121	Unraveling the Links Between the Initiation of Ventilation and Brain Injury in Preterm Infants. <i>Frontiers in Pediatrics</i> , 2015 , 3, 97	3.4	28
120	Role of the physicochemical environment in lung development. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006 , 33, 273-9	3	28
119	A new design for high stability pressure-controlled ventilation for small animal lung imaging. <i>Journal of Instrumentation</i> , 2010 , 5, T02002-T02002	1	27
118	Effects of chest compressions on cardiovascular and cerebral hemodynamics in asphyxiated near-term lambs. <i>Pediatric Research</i> , 2015 , 78, 395-400	3.2	25
117	Pulmonary function and structure following mild preterm birth in lambs. <i>Pediatric Pulmonology</i> , 2005 , 40, 336-48	3.5	24
116	Effects of tidal volume and positive end-expiratory pressure during resuscitation of very premature lambs. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2005 , 94, 1764-1770	3.1	24
115	Fetal metabolic responses to hypoxia. <i>Reproduction, Fertility and Development</i> , 1995 , 7, 527-38	1.8	24
114	Assessment of airway response distribution and paradoxical airway dilation in mice during methacholine challenge. <i>Journal of Applied Physiology</i> , 2017 , 122, 503-510	3.7	23

113	The effect of a face mask for respiratory support on breathing in preterm infants at birth. <i>Resuscitation</i> , 2019 , 144, 178-184	4	23
112	Repetitive versus standard tactile stimulation of preterm infants at birth - A randomized controlled trial. <i>Resuscitation</i> , 2018 , 127, 37-43	4	23
111	Tactile Stimulation to Stimulate Spontaneous Breathing during Stabilization of Preterm Infants at Birth: A Retrospective Analysis. <i>Frontiers in Pediatrics</i> , 2017 , 5, 61	3.4	23
110	Human amnion cells for the prevention of bronchopulmonary dysplasia: a protocol for a phase I dose escalation study. <i>BMJ Open</i> , 2019 , 9, e026265	3	22
109	Antenatal corticosteroids increase fetal, but not postnatal, pulmonary blood flow in sheep. <i>Pediatric Research</i> , 2009 , 66, 283-8	3.2	22
108	Cortisol enhances structural maturation of the hypoplastic fetal lung in sheep. <i>Journal of Physiology</i> , 2004 , 554, 505-17	3.9	22
107	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	3.7	22
106	The Effect of Initial High vs. Low FiO ₂ on Breathing Effort in Preterm Infants at Birth: A Randomized Controlled Trial. <i>Frontiers in Pediatrics</i> , 2019 , 7, 504	3.4	22
105	Respiratory function in lambs after in utero treatment of lung hypoplasia by tracheal obstruction. <i>Journal of Applied Physiology</i> , 1999 , 87, 2296-304	3.7	21
104	Altered cardiovascular function at birth in growth-restricted preterm lambs. <i>Pediatric Research</i> , 2016 , 80, 538-46	3.2	20
103	Establishing Functional Residual Capacity at Birth. <i>NeoReviews</i> , 2010 , 11, e474-e483	1.1	20
102	Differential effect of recruitment manoeuvres on pulmonary blood flow and oxygenation during HFOV in preterm lambs. <i>Journal of Applied Physiology</i> , 2008 , 105, 603-10	3.7	20
101	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	3.7	20
100	The effects of nasal continuous positive airway pressure on cardiac function in premature infants with minimal lung disease: a crossover randomized trial. <i>Journal of Pediatrics</i> , 2014 , 164, 726-9	3.6	19
99	Intrauterine inflammation alters cardiopulmonary and cerebral haemodynamics at birth in preterm lambs. <i>Journal of Physiology</i> , 2013 , 591, 2127-37	3.9	19
98	cAMP response element binding protein is required for differentiation of respiratory epithelium during murine development. <i>PLoS ONE</i> , 2011 , 6, e17843	3.7	19
97	Changes in positive end-expiratory pressure alter the distribution of ventilation within the lung immediately after birth in newborn rabbits. <i>PLoS ONE</i> , 2014 , 9, e93391	3.7	19
96	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	4	18

95	The cerebral critical oxygen threshold of ventilated preterm lambs and the influence of antenatal inflammation. <i>Journal of Applied Physiology</i> , 2011 , 111, 775-81	3.7	18
94	Structural and functional development of the respiratory system in a newborn marsupial with cutaneous gas exchange. <i>Physiological and Biochemical Zoology</i> , 2011 , 84, 634-49	2	18
93	Effect of lung hypoplasia on birth-related changes in the pulmonary circulation in sheep. <i>Pediatric Research</i> , 2005 , 57, 530-6	3.2	18
92	Stimulation of lung growth in fetuses with lung hypoplasia leads to altered postnatal lung structure in sheep. <i>Pediatric Pulmonology</i> , 2001 , 32, 267-76	3.5	18
91	The physiology of neonatal resuscitation. <i>Current Opinion in Pediatrics</i> , 2018 , 30, 187-191	3.2	17
90	The perfusion index of healthy term infants during transition at birth. <i>European Journal of Pediatrics</i> , 2016 , 175, 475-9	4.1	17
89	Elevated airway liquid volumes at birth: a potential cause of transient tachypnea of the newborn. <i>Journal of Applied Physiology</i> , 2017 , 123, 1204-1213	3.7	17
88	Optimizing lung aeration at birth using a sustained inflation and positive pressure ventilation in preterm rabbits. <i>Pediatric Research</i> , 2016 , 80, 85-91	3.2	17
87	Comparison of Two Respiratory Support Strategies for Stabilization of Very Preterm Infants at Birth: A Matched-Pairs Analysis. <i>Frontiers in Pediatrics</i> , 2019 , 7, 3	3.4	16
86	Role of Intra-Luminal Pressure in Regulating PBF in the Fetus and After Birth. <i>Current Pediatric Reviews</i> , 2006 , 2, 287-299	2.8	16
85	Prenatal diagnosis and management of congenital diaphragmatic hernia. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2019 , 58, 93-106	4.6	16
84	Haemodynamic Instability and Brain Injury in Neonates Exposed to Hypoxia?Ischaemia. <i>Brain Sciences</i> , 2019 , 9,	3.4	15
83	Very Preterm Infants Failing CPAP Show Signs of Fatigue Immediately after Birth. <i>PLoS ONE</i> , 2015 , 10, e0129592	3.7	15
82	Intrauterine inflammation alters fetal cardiopulmonary and cerebral haemodynamics in sheep. <i>Journal of Physiology</i> , 2013 , 591, 5061-70	3.9	15
81	Physiological effects of partial amniotic carbon dioxide insufflation with cold, dry vs heated, humidified gas in a sheep model. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019 , 53, 340-347	5.8	14
80	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	3.7	14
79	Real-time measurement of alveolar size and population using phase contrast x-ray imaging. <i>Biomedical Optics Express</i> , 2014 , 5, 4024-38	3.5	14
78	Simultaneous acquisition of dual analyser-based phase contrast X-ray images for small animal imaging. <i>European Journal of Radiology</i> , 2008 , 68, S49-53	4.7	14

77	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	3.7	14
76	Vagal denervation inhibits the increase in pulmonary blood flow during partial lung aeration at birth. <i>Journal of Physiology</i> , 2017 , 595, 1593-1606	3.9	13
75	Intrauterine Growth Restriction Alters the Postnatal Development of the Rat Cerebellum. <i>Developmental Neuroscience</i> , 2017 , 39, 215-227	2.2	13
74	Increasing Respiratory Effort With 100% Oxygen During Resuscitation of Preterm Rabbits at Birth. <i>Frontiers in Pediatrics</i> , 2019 , 7, 427	3.4	13
73	Mechanical ventilation injury and repair in extremely and very preterm lungs. <i>PLoS ONE</i> , 2013 , 8, e63905	3.7	13
72	The cardiopulmonary haemodynamic transition at birth is not different between male and female preterm lambs. <i>Reproduction, Fertility and Development</i> , 2012 , 24, 510-6	1.8	13
71	Assessment of gas flow waves for endotracheal tube placement in an ovine model of neonatal resuscitation. <i>Resuscitation</i> , 2010 , 81, 737-41	4	13
70	Alveolar epithelial cell differentiation and surfactant protein expression after mild preterm birth in sheep. <i>Pediatric Research</i> , 2006 , 59, 151-6	3.2	13
69	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> , 2006 , 18, 655-65	1.8	13
68	The Breathing Effort of Very Preterm Infants at Birth. <i>Journal of Pediatrics</i> , 2018 , 194, 54-59	3.6	12
67	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	6.1	12
66	Measurement of absolute regional lung air volumes from near-field x-ray speckles. <i>Optics Express</i> , 2013 , 21, 27905-23	3.3	12
65	Ventilation and oxygen: dose-related effects of oxygen on ventilation-induced lung injury. <i>Pediatric Research</i> , 2010 , 67, 238-43	3.2	12
64	Thrombospondin-1 expression and localization in the developing ovine lung. <i>Journal of Physiology</i> , 2007 , 584, 625-35	3.9	12
63	Deriving respiratory cell types from stem cells. <i>Current Stem Cell Research and Therapy</i> , 2007 , 2, 197-208	3.6	12
62	Increases in lung expansion alter pulmonary hemodynamics in fetal sheep. <i>Journal of Applied Physiology</i> , 2006 , 101, 273-82	3.7	12
61	Pulmonary elastin synthesis and deposition in developing and mature sheep: effects of intrauterine growth restriction. <i>Experimental Lung Research</i> , 2004 , 30, 405-18	2.3	12
60	Lung hypoplasia in newborn rabbits with a diaphragmatic hernia affects pulmonary ventilation but not perfusion. <i>Pediatric Research</i> , 2017 , 82, 536-543	3.2	11

59	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	3.4	11
58	Effects of caffeine on renal and pulmonary function in preterm newborn lambs. <i>Pediatric Research</i> , 2012 , 72, 19-25	3.2	11
57	Lower back-up rates improve ventilator triggering during assist-control ventilation: a randomized crossover trial. <i>Journal of Perinatology</i> , 2012 , 32, 111-6	3.1	11
56	Time to achieve desired fraction of inspired oxygen using a T-piece ventilator during resuscitation of preterm infants at birth. <i>Resuscitation</i> , 2019 , 136, 100-104	4	10
55	Respiratory changes in term infants immediately after birth. <i>Resuscitation</i> , 2018 , 130, 105-110	4	10
54	Effects of antenatal corticosteroid treatment on pulmonary ventilation and circulation in neonatal lambs with hypoplastic lungs. <i>Pediatric Pulmonology</i> , 2006 , 41, 844-54	3.5	10
53	Antenatal sildenafil treatment improves neonatal pulmonary hemodynamics and gas exchange in lambs with diaphragmatic hernia. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019 , 54, 506-516	5.8	9
52	Re-expression of pulmonary surfactant proteins following tracheal obstruction in fetal sheep. <i>Experimental Physiology</i> , 2001 , 86, 55-63	2.4	9
51	Effect of increased lung expansion on surfactant protein mRNA levels in lambs. <i>Pediatric Research</i> , 2001 , 50, 720-5	3.2	9
50	Effect of prolonged catecholamine infusion on heart rate, blood pressure, breathing, and growth in fetal sheep. <i>Canadian Journal of Physiology and Pharmacology</i> , 1995 , 73, 1750-8	2.4	9
49	The effects of partial amniotic carbon dioxide insufflation in an ovine model. <i>Prenatal Diagnosis</i> , 2018 , 38, 994-1003	3.2	9
48	Novel Approaches to Neonatal Resuscitation and the Impact on Birth Asphyxia. <i>Clinics in Perinatology</i> , 2016 , 43, 455-67	2.8	8
47	Accuracy of currently available neonatal respiratory function monitors for neonatal resuscitation. <i>European Journal of Pediatrics</i> , 2016 , 175, 1065-70	4.1	8
46	Effect of Tactile Stimulation on Termination and Prevention of Apnea of Prematurity: A Systematic Review. <i>Frontiers in Pediatrics</i> , 2018 , 6, 45	3.4	8
45	Effects of Intrauterine Inflammation on Cortical Gray Matter of Near-Term Lambs. <i>Frontiers in Pediatrics</i> , 2018 , 6, 145	3.4	8
44	Establishing lung gas volumes at birth: interaction between positive end-expiratory pressures and tidal volumes in preterm rabbits. <i>Pediatric Research</i> , 2013 , 73, 734-41	3.2	8
43	Establishment of functional residual capacity at birth: Observational study of 821 neonatal resuscitations. <i>Resuscitation</i> , 2020 , 153, 71-78	4	7
42	Stimulating and maintaining spontaneous breathing during transition of preterm infants. <i>Pediatric Research</i> , 2021 , 90, 722-730	3.2	7

41	The administration of 100% oxygen and respiratory drive in very preterm infants at birth. <i>PLoS ONE</i> , 2013 , 8, e76898	3.7	7
40	Cardiopulmonary haemodynamics in lambs during induced capillary leakage immediately after preterm birth. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011 , 38, 222-8	3	7
39	Acidaemia enhances the inhibitory effect of hypoxia on fetal lung liquid secretion in sheep. <i>Reproduction, Fertility and Development</i> , 1996 , 8, 327-33	1.8	7
38	Partial amniotic carbon dioxide insufflation for fetal surgery. <i>Prenatal Diagnosis</i> , 2018 , 38, 983-993	3.2	7
37	A randomized trial of oropharyngeal airways to assist stabilization of preterm infants in the delivery room. <i>Resuscitation</i> , 2019 , 144, 106-114	4	6
36	Lung ultrasound accurately detects pneumothorax in a preterm newborn lamb model. <i>Journal of Paediatrics and Child Health</i> , 2016 , 52, 643-8	1.3	6
35	Does growth restriction increase the vulnerability to acute ventilation-induced brain injury in newborn lambs? Implications for future health and disease. <i>Journal of Developmental Origins of Health and Disease</i> , 2017 , 8, 556-565	2.4	6
34	Functional lung imaging during HFV in preterm rabbits. <i>PLoS ONE</i> , 2012 , 7, e48122	3.7	6
33	Dose-dependent exacerbation of ventilation-induced lung injury by erythropoietin in preterm newborn lambs. <i>Journal of Applied Physiology</i> , 2019 , 126, 44-50	3.7	6
32	Material Decomposition Using Spectral Propagation-Based Phase-Contrast X-Ray Imaging. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 3891-3899	11.7	5
31	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	3	5
30	Erythropoietin Protects Against Lipopolysaccharide-Induced Microgliosis and Abnormal Granule Cell Development in the Ovine Fetal Cerebellum. <i>Frontiers in Cellular Neuroscience</i> , 2017 , 11, 224	6.1	5
29	Hemodynamic effects of nasal continuous positive airway pressure in preterm infants with evolving chronic lung disease, a crossover randomized trial. <i>Journal of Pediatrics</i> , 2015 , 166, 477-9	3.6	5
28	Intrauterine inflammation alters cardiopulmonary but not cerebral hemodynamics during open endotracheal tube suction in preterm lambs. <i>Pediatric Research</i> , 2013 , 74, 48-53	3.2	5
27	Does detection of fetal growth restriction improve neonatal outcomes?. <i>Journal of Paediatrics and Child Health</i> , 2021 , 57, 677-683	1.3	5
26	Ventilation Prior to Umbilical Cord Clamping Improves Cardiovascular Stability and Oxygenation in Preterm Lambs After Exposure to Intrauterine Inflammation. <i>Frontiers in Pediatrics</i> , 2018 , 6, 286	3.4	5
25	Antenatal Medical Therapies to Improve Lung Development in Congenital Diaphragmatic Hernia. <i>American Journal of Perinatology</i> , 2018 , 35, 823-836	3.3	4
24	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	3.4	4

23	Effects of prostaglandin E2 on renal function and lung liquid dynamics in foetal sheep. <i>Clinical and Experimental Pharmacology and Physiology</i> , 1998 , 25, 805-12	3	4
22	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	4.6	4
21	Comparing the effect of two different interfaces on breathing of preterm infants at birth: A matched-pairs analysis. <i>Resuscitation</i> , 2020 , 157, 60-66	4	4
20	High vs. Low Initial Oxygen to Improve the Breathing Effort of Preterm Infants at Birth: Study Protocol for a Randomized Controlled Trial. <i>Frontiers in Pediatrics</i> , 2019 , 7, 179	3.4	3
19	Diffusion Tensor Imaging Colour Mapping Threshold for Identification of Ventilation-Induced Brain Injury after Intrauterine Inflammation in Preterm Lambs. <i>Frontiers in Pediatrics</i> , 2017 , 5, 70	3.4	3
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