

Stuart B Hooper

List of Publications by Year in descending order

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Version: 2024-02-01

259
papers

9,006
citations

34016

52
h-index

64668

79
g-index

262
all docs

262
docs citations

262
times ranked

4491
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of breathing on venous return during delayed cord clamping: an observational study. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2022, 107, 65-69.	1.4	6
2	Higher CPAP levels improve functional residual capacity at birth in preterm rabbits. Pediatric Research, 2022, 91, 1686-1694.	1.1	4
3	Comparison of intraosseous and intravenous epinephrine administration during resuscitation of asphyxiated newborn lambs. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2022, 107, 311-316.	1.4	6
4	Single versus continuous sustained inflations during chest compressions and physiological-based cord clamping in asystolic lambs. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2022, 107, 488-494.	1.4	2
5	The randomized Tracheal Occlusion To Accelerate Lung growth (TOTAL)-trials on fetal surgery for congenital diaphragmatic hernia: reanalysis using pooled data. American Journal of Obstetrics and Gynecology, 2022, 226, 560.e1-560.e24.	0.7	26
6	Effects of tactile stimulation on spontaneous breathing during face mask ventilation. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2022, 107, 508-512.	1.4	5
7	Fetoscopic insufflation of heated—humidified carbon dioxide during simulated spina bifida repair is safe under controlled anesthesia in the fetal lamb. Prenatal Diagnosis, 2022, 42, 180-191.	1.1	2
8	Increased Prostaglandin E2 in Brainstem Respiratory Centers Is Associated With Inhibition of Breathing Movements in Fetal Sheep Exposed to Progressive Systemic Inflammation. Frontiers in Physiology, 2022, 13, 841229.	1.3	6
9	Increased airway liquid volumes at birth impairs cardiorespiratory function in preterm and near-term lambs. Journal of Applied Physiology, 2022, , .	1.2	2
10	Physiological-based cord clamping versus immediate cord clamping for infants born with a congenital diaphragmatic hernia (PinC): study protocol for a multicentre, randomised controlled trial. BMJ Open, 2022, 12, e054808.	0.8	7
11	The Effect of a Higher Bias Gas Flow on Imposed T-Piece Resistance and Breathing in Preterm Infants at Birth. Frontiers in Pediatrics, 2022, 10, 817010.	0.9	1
12	Intrapulmonary Volume Changes during Hiccups versus Spontaneous Breaths in a Preterm Infant. Neonatology, 2022, 119, 525-529.	0.9	2
13	Rapid centralised randomisation in emergency setting trials using a smartphone. European Journal of Pediatrics, 2022, 181, 3207-3210.	1.3	4
14	Physiologically based cord clamping for infants ≤32+0 weeks gestation: A randomised clinical trial and reference percentiles for heart rate and oxygen saturation for infants ≥35+0 weeks gestation. PLoS Medicine, 2022, 19, e1004029.	3.9	21
15	The physiology of delayed umbilical cord clamping at birth: let's not add to the confusion. Journal of Physiology, 2022, 600, 3625-3626.	1.3	3
16	Stimulating and maintaining spontaneous breathing during transition of preterm infants. Pediatric Research, 2021, 90, 722-730.	1.1	16
17	Physiological responses to facemask application in newborns immediately after birth. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2021, 106, 381-385.	1.4	21
18	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.	0.7	4

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19	High variability in nurses' tactile stimulation methods in response to apnoea of prematurity: A neonatal manikin study. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2021, 110, 799-804.	0.7	3
20	Optimizing oxygenation of the preterm infant directly at birth: focus of future studies. <i>Journal of Pediatrics</i> , 2021, 229, 309.	0.9	1
21	Does detection of fetal growth restriction improve neonatal outcomes?. <i>Journal of Paediatrics and Child Health</i> , 2021, 57, 677-683.	0.4	9
22	Assessing pulmonary circulation in severe bronchopulmonary dysplasia using functional echocardiography. <i>Physiological Reports</i> , 2021, 9, e14690.	0.7	5
23	A protocol for cell therapy infusion in neonates. <i>Stem Cells Translational Medicine</i> , 2021, 10, 773-780.	1.6	9
24	Impact of Acute and Chronic Hypoxia-Ischemia on the Transitional Circulation. <i>Pediatrics</i> , 2021, 147, .	1.0	9
25	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
26	Respiratory support after delayed cord clamping: a prospective cohort study of at-risk births at ≥ 35 weeks gestation. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2021, 106, 627-634.	1.4	4
27	Hyperpolarised gas filling station for medical imaging using polarised ^{129}Xe and ^3He . <i>Magnetic Resonance Imaging</i> , 2021, 79, 112-120.	1.0	2
28	Effect of maternal oxytocin on umbilical venous and arterial blood flows during physiological-based cord clamping in preterm lambs. <i>PLoS ONE</i> , 2021, 16, e0253306.	1.1	5
29	Ductal Flow Ratio as Measure of Transition in Preterm Infants After Birth: A Pilot Study. <i>Frontiers in Pediatrics</i> , 2021, 9, 668744.	0.9	0
30	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
31	Increased end-expiratory pressures improve lung function in near-term newborn rabbits with elevated airway liquid volume at birth. <i>Journal of Applied Physiology</i> , 2021, 131, 997-1008.	1.2	5
32	Why Do the Fetal Membranes Rupture Early after Fetoscopy? A Review. <i>Fetal Diagnosis and Therapy</i> , 2021, 48, 493-503.	0.6	14
33	Worldwide success of CPAP in the delivery room – Still a work in progress. <i>Resuscitation</i> , 2021, , .	1.3	0
34	Feasibility and Effect of Physiological-Based CPAP in Preterm Infants at Birth. <i>Frontiers in Pediatrics</i> , 2021, 9, 777614.	0.9	3
35	Large Hemoglobin Differences at Birth in Monochorionic Twins with a Placental Chorangioma and Delayed Cord Clamping. <i>Twin Research and Human Genetics</i> , 2021, 24, 281-284.	0.3	2
36	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

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37	Physiologically based cord clamping improves cardiopulmonary haemodynamics in lambs with a diaphragmatic hernia. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 18-25.	1.4	30
38	Lung Growth and Maturation. , 2020, , 103-113.e2.		0
39	Physiological-based cord clamping in very preterm infants â€” Randomised controlled trial on effectiveness of stabilisation. Resuscitation, 2020, 147, 26-33.	1.3	53
40	Excess cerebral oxygen delivery follows return of spontaneous circulation in near-term asphyxiated lambs. Scientific Reports, 2020, 10, 16443.	1.6	11
41	Physiologic-Based Cord Clamping Maintains Core Temperature vs. Immediate Cord Clamping in Near-Term Lambs. Frontiers in Pediatrics, 2020, 8, 584983.	0.9	10
42	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.	0.9	7
43	Cardiopulmonary Resuscitation of Asystolic Newborn Lambs Prior to Umbilical Cord Clamping; the Timing of Cord Clamping Matters!. Frontiers in Physiology, 2020, 11, 902.	1.3	18
44	Comparing the effect of two different interfaces on breathing of preterm infants at birth: A matched-pairs analysis. Resuscitation, 2020, 157, 60-66.	1.3	7
45	Improving lung aeration in ventilated newborn preterm rabbits with a partially aerated lung. Journal of Applied Physiology, 2020, 129, 891-900.	1.2	5
46	Reflexes that impact spontaneous breathing of preterm infants at birth: a narrative review. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 675-679.	1.4	28
47	Efficacy of Intravenous, Endotracheal, or Nasal Adrenaline Administration During Resuscitation of Near-Term Asphyxiated Lambs. Frontiers in Pediatrics, 2020, 8, 262.	0.9	5
48	Material Decomposition Using Spectral Propagation-Based Phase-Contrast X-Ray Imaging. IEEE Transactions on Medical Imaging, 2020, 39, 3891-3899.	5.4	10
49	Perinatal stabilisation of infants born with congenital diaphragmatic hernia: a review of current concepts. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2020, 105, 449-454.	1.4	19
50	Systematic review and network meta-analysis with individual participant data on cord management at preterm birth (iCOMP): study protocol. BMJ Open, 2020, 10, e034595.	0.8	16
51	High-CPAP Does Not Impede Cardiovascular Changes at Birth in Preterm Sheep. Frontiers in Pediatrics, 2020, 8, 584138.	0.9	6
52	Emphysema quantified: mapping regional airway dimensions using 2D phase contrast X-ray imaging. Biomedical Optics Express, 2020, 11, 4176.	1.5	7
53	Glucocorticoid signalling drives reduced versican levels in the fetal mouse lung. Journal of Molecular Endocrinology, 2020, 64, 155-164.	1.1	2
54	Physiological-based cord clamping in preterm infants using a new purpose-built resuscitation table: a feasibility study. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, fetalneonatal-2018-315483.	1.4	49

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55	Sedation during minimal invasive surfactant therapy: a randomised controlled trial. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, fetalneonatal-2018-315015.	1.4	42
56	Supporting breathing of preterm infants at birth: a narrative review. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F102-F107.	1.4	28
57	Identification of Betamethasone-Regulated Target Genes and Cell Pathways in Fetal Rat Lung Mesenchymal Fibroblasts. Endocrinology, 2019, 160, 1868-1884.	1.4	6
58	Transfusion or Timing: The Role of Blood Volume in Delayed Cord Clamping During the Cardiovascular Transition at Birth. Frontiers in Pediatrics, 2019, 7, 405.	0.9	9
59	Increasing Respiratory Effort With 100% Oxygen During Resuscitation of Preterm Rabbits at Birth. Frontiers in Pediatrics, 2019, 7, 427.	0.9	23
60	Issues in cardiopulmonary transition at birth. Seminars in Fetal and Neonatal Medicine, 2019, 24, 101033.	1.1	12
61	A randomized trial of oropharyngeal airways to assist stabilization of preterm infants in the delivery room. Resuscitation, 2019, 144, 106-114.	1.3	17
62	The effect of a face mask for respiratory support on breathing in preterm infants at birth. Resuscitation, 2019, 144, 178-184.	1.3	48
63	Effect of lung hypoplasia on the cardiorespiratory transition in newborn lambs. Journal of Applied Physiology, 2019, 127, 568-578.	1.2	7
64	The science of steroids. Seminars in Fetal and Neonatal Medicine, 2019, 24, 170-175.	1.1	74
65	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.	0.9	6
66	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.	1.1	6
67	Human amnion cells for the prevention of bronchopulmonary dysplasia: a protocol for a phase I dose escalation study. BMJ Open, 2019, 9, e026265.	0.8	32
68	Tactile stimulation in the delivery room: do we practice what we preach?. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F661-F662.	1.4	20
69	The Changing Landscape in Supporting Preterm Infants at Birth. Neonatology, 2019, 115, 392-397.	0.9	13
70	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.	0.9	17
71	Effects of tracheal occlusion on the neonatal cardiopulmonary transition in an ovine model of diaphragmatic hernia. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F609-F616.	1.4	9
72	Comparison of Two Respiratory Support Strategies for Stabilization of Very Preterm Infants at Birth: A Matched-Pairs Analysis. Frontiers in Pediatrics, 2019, 7, 3.	0.9	23

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73	Neonatal cardiopulmonary transition in an ovine model of congenital diaphragmatic hernia. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F617-F623.	1.4	19
74	The Effect of Initial High vs. Low FiO2 on Breathing Effort in Preterm Infants at Birth: A Randomized Controlled Trial. Frontiers in Pediatrics, 2019, 7, 504.	0.9	39
75	Respiratory and Cardiovascular Support in the Delivery Room. , 2019, , 173-195.		0
76	Cardiorespiratory Effects of Delayed Cord Clamping. , 2019, , 67-82.		1
77	Delivery of positive end-expiratory pressure to preterm lambs using common resuscitation devices. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2019, 104, F83-F88.	1.4	7
78	Clinical aspects of incorporating cord clamping into stabilisation of preterm infants. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F493-F497.	1.4	26
79	The physiology of neonatal resuscitation. Current Opinion in Pediatrics, 2018, 30, 187-191.	1.0	26
80	The Breathing Effort of Very Preterm Infants at Birth. Journal of Pediatrics, 2018, 194, 54-59.	0.9	14
81	Haemodynamic effects of umbilical cord milking in premature sheep during the neonatal transition. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F539-F546.	1.4	84
82	Repetitive versus standard tactile stimulation of preterm infants at birth – A randomized controlled trial. Resuscitation, 2018, 127, 37-43.	1.3	42
83	Lung ultrasound immediately after birth to describe normal neonatal transition: an observational study. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F157-F162.	1.4	48
84	Laryngeal closure impedes non-invasive ventilation at birth. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F112-F119.	1.4	85
85	Physiologically based cord clamping stabilises cardiac output and reduces cerebrovascular injury in asphyxiated near-term lambs. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F530-F538.	1.4	60
86	The Effect of Antenatal Betamethasone on White Matter Inflammation and Injury in Fetal Sheep and Ventilated Preterm Lambs. Developmental Neuroscience, 2018, 40, 497-507.	1.0	5
87	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.	0.9	7
88	In situ phase contrast X-ray brain CT. Scientific Reports, 2018, 8, 11412.	1.6	39
89	Effect of Tactile Stimulation on Termination and Prevention of Apnea of Prematurity: A Systematic Review. Frontiers in Pediatrics, 2018, 6, 45.	0.9	20
90	Effects of Intrauterine Inflammation on Cortical Gray Matter of Near-Term Lambs. Frontiers in Pediatrics, 2018, 6, 145.	0.9	9

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91	Baby-directed umbilical cord clamping: A feasibility study. <i>Resuscitation</i> , 2018, 131, 1-7.	1.3	54
92	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
93	Respiratory changes in term infants immediately after birth. <i>Resuscitation</i> , 2018, 130, 105-110.	1.3	17
94	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
95	Glucocorticoids influence versican and chondroitin sulphate proteoglycan levels in the fetal sheep lung. <i>Respiratory Research</i> , 2018, 19, 155.	1.4	5
96	Antenatal management of congenital diaphragmatic hernia today and tomorrow. <i>Minerva Pediatrics</i> , 2018, 70, 270-280.	0.2	6
97	Haemoglobin discordances in twins: due to differences in timing of cord clamping?. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2017, 102, F324-F328.	1.4	13
98	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
99	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
100	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
101	Towards evidence-based resuscitation of the newborn infant. <i>Lancet, The</i> , 2017, 389, 1639-1648.	6.3	68
102	Lung hypoplasia in newborn rabbits with a diaphragmatic hernia affects pulmonary ventilation but not perfusion. <i>Pediatric Research</i> , 2017, 82, 536-543.	1.1	14
103	Intrauterine Growth Restriction Alters the Postnatal Development of the Rat Cerebellum. <i>Developmental Neuroscience</i> , 2017, 39, 215-227.	1.0	17
104	Caffeine to improve breathing effort of preterm infants at birth: a randomized controlled trial. <i>Pediatric Research</i> , 2017, 82, 290-296.	1.1	58
105	Achievement of saturation targets in preterm infants ≤ 32 weeks gestational age in the delivery room. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2017, 102, F423-F427.	1.4	28
106	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.	1.2	22
107	The effect of breathing on ductus arteriosus blood flow directly after birth. <i>European Journal of Pediatrics</i> , 2017, 176, 1581-1585.	1.3	2
108	CT dose reduction factors in the thousands using X-ray phase contrast. <i>Scientific Reports</i> , 2017, 7, 15953.	1.6	88

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109	Physiologic Mechanisms of Normal and Altered Lung Growth Before and After Birth. , 2017, , 646-657.e4.		2
110	Tactile Stimulation to Stimulate Spontaneous Breathing during Stabilization of Preterm Infants at Birth: A Retrospective Analysis. <i>Frontiers in Pediatrics</i> , 2017, 5, 61.	0.9	34
111	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.	0.9	3
112	Cardiorespiratory Monitoring during Neonatal Resuscitation for Direct Feedback and Audit. <i>Frontiers in Pediatrics</i> , 2016, 4, 38.	0.9	44
113	The cardiovascular response to birth asphyxia is altered by the surrounding environment. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2016, 101, F540-F545.	1.4	6
114	Effect of betamethasone, surfactant, and positive end-expiratory pressures on lung aeration at birth in preterm rabbits. <i>Journal of Applied Physiology</i> , 2016, 121, 750-759.	1.2	4
115	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
116	Ventilation-Induced Brain Injury in Preterm Neonates: A Review of Potential Therapies. <i>Neonatology</i> , 2016, 110, 155-162.	0.9	50
117	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
118	Optimizing lung aeration at birth using a sustained inflation and positive pressure ventilation in preterm rabbits. <i>Pediatric Research</i> , 2016, 80, 85-91.	1.1	23
119	Altered cardiovascular function at birth in growth-restricted preterm lambs. <i>Pediatric Research</i> , 2016, 80, 538-546.	1.1	29
120	Novel Approaches to Neonatal Resuscitation and the Impact on Birth Asphyxia. <i>Clinics in Perinatology</i> , 2016, 43, 455-467.	0.8	10
121	Hemoglobin Differences in Uncomplicated Monochorionic Twins in Relation to Birth Order and Mode of Delivery. <i>Twin Research and Human Genetics</i> , 2016, 19, 241-245.	0.3	10
122	Accuracy of currently available neonatal respiratory function monitors for neonatal resuscitation. <i>European Journal of Pediatrics</i> , 2016, 175, 1065-1070.	1.3	15
123	The timing of umbilical cord clamping at birth: physiological considerations. <i>Maternal Health, Neonatology and Perinatology</i> , 2016, 2, 4.	1.0	80
124	Lung ultrasound accurately detects pneumothorax in a preterm newborn lamb model. <i>Journal of Paediatrics and Child Health</i> , 2016, 52, 643-648.	0.4	7
125	Respiratory transition in the newborn: a three-phase process. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2016, 101, F266-F271.	1.4	153
126	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

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127	<i>Trop2</i> : From development to disease. <i>Developmental Dynamics</i> , 2015, 244, 99-109.	0.8	79
128	Update on the cardio-vascular adaptation at birth. <i>Italian Journal of Pediatrics</i> , 2015, 41, .	1.0	0
129	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
130	X-ray specks: low dose in vivo imaging of lung structure and function. <i>Physics in Medicine and Biology</i> , 2015, 60, 7259-7276.	1.6	27
131	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
132	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
133	Very Preterm Infants Failing CPAP Show Signs of Fatigue Immediately after Birth. <i>PLoS ONE</i> , 2015, 10, e0129592.	1.1	19
134	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
135	Minireview: Glucocorticoid Regulation of Lung Development: Lessons Learned From Conditional GR Knockout Mice. <i>Molecular Endocrinology</i> , 2015, 29, 158-171.	3.7	59
136	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, 477-479.	0.9	5
137	Monitoring tidal volumes in preterm infants at birth: mask versus endotracheal ventilation. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2015, 100, F43-F46.	1.4	20
138	Cardiovascular transition at birth: a physiological sequence. <i>Pediatric Research</i> , 2015, 77, 608-614.	1.1	170
139	Effectivity of ventilation by measuring expired CO ₂ and RIP during stabilisation of preterm infants at birth. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2015, 100, F514-F518.	1.4	26
140	Using physiology to guide time to cord clamping. <i>Seminars in Fetal and Neonatal Medicine</i> , 2015, 20, 225-231.	1.1	50
141	Exhaled Carbon Dioxide in Healthy Term Infants Immediately after Birth. <i>Journal of Pediatrics</i> , 2015, 166, 844-849.e3.	0.9	25
142	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
143	Pulse Oximetry Measures a Lower Heart Rate at Birth Compared with Electrocardiography. <i>Journal of Pediatrics</i> , 2015, 166, 49-53.	0.9	114
144	The Influence of Crying on the Ductus Arteriosus Shunt and Left Ventricular Output at Birth. <i>Neonatology</i> , 2015, 107, 108-112.	0.9	12

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145	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, 419-428.	1.4	37
146	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
147	Ventilation before Umbilical Cord Clamping Improves the Physiological Transition at Birth. <i>Frontiers in Pediatrics</i> , 2014, 2, 113.	0.9	61
148	Pulmonary Transition at Birth. , 2014, , 251-264.		1
149	Non-invasive measurements of ductus arteriosus flow directly after birth. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014, 99, F408-F412.	1.4	37
150	Ventilation/perfusion mismatch during lung aeration at birth. <i>Journal of Applied Physiology</i> , 2014, 117, 535-543.	1.2	41
151	Physical, Endocrine, and Growth Factors in Lung Development. , 2014, , 157-181.		2
152	Noninvasive measurements of hemodynamic transition directly after birth. <i>Pediatric Research</i> , 2014, 75, 448-452.	1.1	55
153	Real-time measurement of alveolar size and population using phase contrast x-ray imaging. <i>Biomedical Optics Express</i> , 2014, 5, 4024.	1.5	18
154	Measuring Physiological Changes during the Transition to Life after Birth. <i>Neonatology</i> , 2014, 105, 230-242.	0.9	89
155	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, 726-729.	0.9	25
156	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, 251-258.	1.2	41
157	Effects of a Sustained Inflation in Preterm Infants at Birth. <i>Journal of Pediatrics</i> , 2014, 165, 903-908.e1.	0.9	78
158	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
159	Pulse oximetry in newborns with delayed cord clamping and immediate skin-to-skin contact. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014, 99, F309-F314.	1.4	78
160	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.	1.1	23
161	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
162	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

#	ARTICLE	IF	CITATIONS
163	Trop2 regulates motility and lamellipodia formation in cultured fetal lung fibroblasts. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2013, 305, L508-L521.	1.3	13
164	Establishing functional residual capacity in the non-breathing infant. Seminars in Fetal and Neonatal Medicine, 2013, 18, 336-343.	1.1	65
165	Evaluating Manual Inflations and Breathing during Mask Ventilation in Preterm Infants at Birth. Journal of Pediatrics, 2013, 162, 457-463.	0.9	79
166	High spatiotemporal resolution measurement of regional lung air volumes from 2D phase contrast x-ray images. Medical Physics, 2013, 40, 041909.	1.6	13
167	Intrauterine inflammation alters cardiopulmonary but not cerebral hemodynamics during open endotracheal tube suction in preterm lambs. Pediatric Research, 2013, 74, 48-53.	1.1	5
168	The role of lung inflation and sodium transport in airway liquid clearance during lung aeration in newborn rabbits. Pediatric Research, 2013, 73, 443-449.	1.1	41
169	Measurement of absolute regional lung air volumes from near-field x-ray speckles. Optics Express, 2013, 21, 27905.	1.7	16
170	Effect of sustained inflation duration; resuscitation of near-term asphyxiated lambs. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2013, 98, F222-F227.	1.4	80
171	Influence of the Hand Squeeze and Mask Distensibility on Tidal Volume Measurements during Neonatal Mask Ventilation. Neonatology, 2013, 104, 216-221.	0.9	3
172	The Consequences of Chorioamnionitis: Preterm Birth and Effects on Development. Journal of Pregnancy, 2013, 2013, 1-11.	1.1	208
173	Intrauterine inflammation alters fetal cardiopulmonary and cerebral haemodynamics in sheep. Journal of Physiology, 2013, 591, 5061-5070.	1.3	18
174	Intrauterine inflammation alters cardiopulmonary and cerebral haemodynamics at birth in preterm lambs. Journal of Physiology, 2013, 591, 2127-2137.	1.3	22
175	Delaying cord clamping until ventilation onset improves cardiovascular function at birth in preterm lambs. Journal of Physiology, 2013, 591, 2113-2126.	1.3	365
176	Mechanical Ventilation Injury and Repair in Extremely and Very Preterm Lungs. PLoS ONE, 2013, 8, e63905.	1.1	16
177	The Administration of 100% Oxygen and Respiratory Drive in Very Preterm Infants at Birth. PLoS ONE, 2013, 8, e76898.	1.1	12
178	Expired CO2 Levels Indicate Degree of Lung Aeration at Birth. PLoS ONE, 2013, 8, e70895.	1.1	75
179	Prostaglandins mediate the fetal pulmonary response to intrauterine inflammation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2012, 302, L664-L678.	1.3	24
180	Synchrotron-based dynamic computed tomography of tissue motion for regional lung function measurement. Journal of the Royal Society Interface, 2012, 9, 2213-2224.	1.5	80

#	ARTICLE	IF	CITATIONS
181	Compressive force applied to a manikin's head during mask ventilation. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2012, 97, F254-F258.	1.4	20
182	Effects of caffeine on renal and pulmonary function in preterm newborn lambs. Pediatric Research, 2012, 72, 19-25.	1.1	15
183	Inflammation in utero exacerbates ventilation-induced brain injury in preterm lambs. Journal of Applied Physiology, 2012, 112, 481-489.	1.2	39
184	Functional Imaging to Understand Biomechanics: A Critical Tool for the Study of Biology, Pathology and the Development of Pharmacological Solutions. Current Pharmaceutical Biotechnology, 2012, 13, 2128-2140.	0.9	4
185	The cardiopulmonary haemodynamic transition at birth is not different between male and female preterm lambs. Reproduction, Fertility and Development, 2012, 24, 510.	0.1	13
186	Altered Lung Motion is a Sensitive Indicator of Regional Lung Disease. Annals of Biomedical Engineering, 2012, 40, 1160-1169.	1.3	56
187	Human amnion epithelial cells reduce ventilation-induced preterm lung injury in fetal sheep. American Journal of Obstetrics and Gynecology, 2012, 206, 448.e8-448.e15.	0.7	78
188	Effects of naloxone on the breathing pattern of a newborn exposed to maternal opiates. Acta Paediatrica, International Journal of Paediatrics, 2012, 101, e309-12.	0.7	6
189	Respiratory Function Monitor Guidance of Mask Ventilation in the Delivery Room: A Feasibility Study. Journal of Pediatrics, 2012, 160, 377-381.e2.	0.9	150
190	Initiation of Resuscitation with High Tidal Volumes Causes Cerebral Hemodynamic Disturbance, Brain Inflammation and Injury in Preterm Lambs. PLoS ONE, 2012, 7, e39535.	1.1	107
191	High Bias Gas Flows Increase Lung Injury in the Ventilated Preterm Lamb. PLoS ONE, 2012, 7, e47044.	1.1	19
192	Effect of intra-amniotic lipopolysaccharide on nephron number in preterm fetal sheep. American Journal of Physiology - Renal Physiology, 2011, 301, F280-F285.	1.3	29
193	Cardiopulmonary haemodynamics in lambs during induced capillary leakage immediately after preterm birth. Clinical and Experimental Pharmacology and Physiology, 2011, 38, 222-228.	0.9	7
194	Phase contrast image segmentation using a Laue analyser crystal. Physics in Medicine and Biology, 2011, 56, 515-534.	1.6	42
195	Surfactant Increases the Uniformity of Lung Aeration at Birth in Ventilated Preterm Rabbits. Pediatric Research, 2011, 70, 50-55.	1.1	37
196	An Initial Sustained Inflation Improves the Respiratory and Cardiovascular Transition at Birth in Preterm Lambs. Pediatric Research, 2011, 70, 56-60.	1.1	119
197	The oncogene <i>Trop2</i> regulates fetal lung cell proliferation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 301, L478-L489.	1.3	27
198	Structural and Functional Development of the Respiratory System in a Newborn Marsupial with Cutaneous Gas Exchange. Physiological and Biochemical Zoology, 2011, 84, 634-649.	0.6	22

#	ARTICLE	IF	CITATIONS
199	Injury and repair in the very immature lung following brief mechanical ventilation. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2011, 301, L917-L926.	1.3	40
200	cAMP Response Element Binding Protein Is Required for Differentiation of Respiratory Epithelium during Murine Development. PLoS ONE, 2011, 6, e17843.	1.1	26
201	Physiologic Mechanisms of Normal and Altered Lung Growth Before and After Birth. , 2011, , 885-895.		0
202	Partial pulmonary embolization disrupts alveolarization in fetal sheep. Respiratory Research, 2010, 11, 42.	1.4	11
203	Pulmonary hemodynamic responses to in utero ventilation in very immature fetal sheep. Respiratory Research, 2010, 11, 111.	1.4	7
204	Ventilation and Oxygen: Dose-Related Effects of Oxygen on Ventilation-Induced Lung Injury. Pediatric Research, 2010, 67, 238-243.	1.1	15
205	Intrauterine inflammation causes pulmonary hypertension and cardiovascular sequelae in preterm lambs. Journal of Applied Physiology, 2010, 108, 1757-1765.	1.2	40
206	X-ray phase, absorption and scatter retrieval using two or more phase contrast images. Optics Express, 2010, 18, 19994.	1.7	33
207	Persistent bronchiolar remodeling following brief ventilation of the very immature ovine lung. American Journal of Physiology - Lung Cellular and Molecular Physiology, 2009, 297, L992-L1001.	1.3	31
208	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, 537-541.	1.1	178
209	Effect of Sustained Inflation Length on Establishing Functional Residual Capacity at Birth in Ventilated Premature Rabbits. Pediatric Research, 2009, 66, 295-300.	1.1	141
210	Antenatal Corticosteroids Increase Fetal, But Not Postnatal, Pulmonary Blood Flow in Sheep. Pediatric Research, 2009, 66, 283-288.	1.1	24
211	Dynamic changes in the direction of blood flow through the ductus arteriosus at birth. Journal of Physiology, 2009, 587, 4695-4704.	1.3	127
212	IMAGING LUNG AERATION AND LUNG LIQUID CLEARANCE AT BIRTH USING PHASE CONTRAST X-RAY IMAGING. Clinical and Experimental Pharmacology and Physiology, 2009, 36, 117-125.	0.9	64
213	Early biomarkers and potential mediators of ventilation-induced lung injury in very preterm lambs. Respiratory Research, 2009, 10, 19.	1.4	108
214	Cardiovascular and pulmonary consequences of airway recruitment in preterm lambs. Journal of Applied Physiology, 2009, 106, 1347-1355.	1.2	57
215	Inspiration regulates the rate and temporal pattern of lung liquid clearance and lung aeration at birth. Journal of Applied Physiology, 2009, 106, 1888-1895.	1.2	100
216	Positive end-expiratory pressure enhances development of a functional residual capacity in preterm rabbits ventilated from birth. Journal of Applied Physiology, 2009, 106, 1487-1493.	1.2	134

#	ARTICLE	IF	CITATIONS
217	From Liquid to Air: Breathing after Birth. <i>Journal of Pediatrics</i> , 2008, 152, 607-611.	0.9	176
218	Simultaneous acquisition of dual analyser-based phase contrast X-ray images for small animal imaging. <i>European Journal of Radiology</i> , 2008, 68, S49-S53.	1.2	15
219	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, 387-392.	1.1	49
220	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
221	Dynamic Studies of Lung Fluid Clearance with Phase Contrast Imaging. <i>AIP Conference Proceedings</i> , 2007, , , .	0.3	1
222	Changes in versican and chondroitin sulfate proteoglycans during structural development of the lung. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 293, R784-R792.	0.9	26
223	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
224	Imaging lung aeration and lung liquid clearance at birth. <i>FASEB Journal</i> , 2007, 21, 3329-3337.	0.2	177
225	Identification of glucocorticoid-regulated genes that control cell proliferation during murine respiratory development. <i>Journal of Physiology</i> , 2007, 585, 187-201.	1.3	45
226	Thrombospondin-1 expression and localization in the developing ovine lung. <i>Journal of Physiology</i> , 2007, 584, 625-635.	1.3	15
227	Increases in lung expansion alter pulmonary hemodynamics in fetal sheep. <i>Journal of Applied Physiology</i> , 2006, 101, 273-282.	1.2	15
228	Gene expression profiling during increased fetal lung expansion identifies genes likely to regulate development of the distal airways. <i>Physiological Genomics</i> , 2006, 24, 105-113.	1.0	37
229	Role of platelet-derived growth factor-B, vascular endothelial growth factor, insulin-like growth factor-II, mitogen-activated protein kinase and transforming growth factor- β 1 in expansion-induced lung growth in fetal sheep. <i>Reproduction, Fertility and Development</i> , 2006, 18, 655.	0.1	13
230	Effects of antenatal corticosteroid treatment on pulmonary ventilation and circulation in neonatal lambs with hypoplastic lungs. <i>Pediatric Pulmonology</i> , 2006, 41, 844-854.	1.0	11
231	ROLE OF THE PHYSICOCHEMICAL ENVIRONMENT IN LUNG DEVELOPMENT. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2006, 33, 273-279.	0.9	34
232	Alveolar Epithelial Cell Differentiation and Surfactant Protein Expression After Mild Preterm Birth in Sheep. <i>Pediatric Research</i> , 2006, 59, 151-156.	1.1	14
233	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
234	Effect of Lung Hypoplasia on Birth-Related Changes in the Pulmonary Circulation in Sheep. <i>Pediatric Research</i> , 2005, 57, 530-536.	1.1	20

#	ARTICLE	IF	CITATIONS
235	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.	0.7	24
236	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.	1.1	117
237	Influence of Fetal Breathing Movements on Pulmonary Hemodynamics in Fetal Sheep. <i>Pediatric Research</i> , 2004, 56, 932-938.	1.1	54
238	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, 613-619.	1.4	79
239	PULMONARY ELASTIN SYNTHESIS AND DEPOSITION IN DEVELOPING AND MATURE SHEEP: EFFECTS OF INTRAUTERINE GROWTH RESTRICTION. <i>Experimental Lung Research</i> , 2004, 30, 405-418.	0.5	14
240	Regulation of alveolar epithelial cell phenotypes in fetal sheep: roles of cortisol and lung expansion. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2004, 287, L1207-L1214.	1.3	22
241	Cortisol enhances structural maturation of the hypoplastic fetal lung in sheep. <i>Journal of Physiology</i> , 2004, 554, 505-517.	1.3	25
242	Physiologic Mechanisms of Normal and Altered Lung Growth. , 2004, , 802-811.		4
243	Physical, Endocrine and Growth Factors in Lung Development. , 2004, , 131-148.		5
244	Pulmonary Transition at Birth. , 2004, , 201-211.		1
245	Sustained changes in lung expansion alter tropoelastin mRNA levels and elastin content in fetal sheep lungs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2003, 284, L643-L649.	1.3	42
246	Determination of alveolar epithelial cell phenotypes in fetal sheep: evidence for the involvement of basal lung expansion. <i>Journal of Physiology</i> , 2002, 542, 245-253.	1.3	49
247	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, 209-216.	0.7	79
248	Compromised Respiratory Function in Postnatal Lambs after Placental Insufficiency and Intrauterine Growth Restriction. <i>Pediatric Research</i> , 2001, 50, 641-649.	1.1	75
249	Effect of Increased Lung Expansion on Surfactant Protein mRNA Levels in Lambs. <i>Pediatric Research</i> , 2001, 50, 720-725.	1.1	9
250	Effect of Increased Lung Expansion on Lung Growth and Development Near Midgestation in Fetal Sheep. <i>Pediatric Research</i> , 2000, 47, 806-812.	1.1	32
251	Stimulation of Lung Growth by Tracheal Obstruction in Fetal Sheep: Relation to Luminal Pressure and Lung Liquid Volume. <i>Pediatric Research</i> , 1998, 43, 184-190.	1.1	96
252	Endocrine Maturation of the Fetus. , 1998, , 353-385.		0

#	ARTICLE	IF	CITATIONS
253	Cortisol pretreatment enhances the lung growth response to tracheal obstruction in fetal sheep. American Journal of Physiology - Lung Cellular and Molecular Physiology, 1997, 273, L1126-L1131.	1.3	11
254	Lung Hypoplasia Can Be Reversed by Short-Term Obstruction of the Trachea in Fetal Sheep. Pediatric Research, 1995, 38, 690-696.	1.1	88
255	The effects of twenty-four hours of reduced uterine blood flow on fetal fluid balance in sheep. American Journal of Obstetrics and Gynecology, 1994, 170, 1442-1451.	0.7	11
256	The effects of twenty-four hours of reduced uterine blood flow on fetal fluid balance in sheep. American Journal of Obstetrics and Gynecology, 1994, 170, 1442-1451.	0.7	8
257	Role of prostaglandins in the metabolic responses of the fetus to hypoxia. American Journal of Obstetrics and Gynecology, 1992, 166, 1568-1575.	0.7	25
258	A mechanism leading to reduced lung expansion and lung hypoplasia in fetal sheep during oligohydramnios. American Journal of Obstetrics and Gynecology, 1990, 163, 1904-1913.	0.7	92
259	Evaluating Clinical Outcomes and Physiological Perspectives in Studies Investigating Respiratory Support for Babies Born at Term With or at Risk of Transient Tachypnea: A Narrative Review. Frontiers in Pediatrics, 0, 10, .	0.9	2