

Beth A Allison

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/2902871/publications.pdf>

Version: 2024-02-01

78
papers

2,843
citations

147801

31
h-index

189892

50
g-index

78
all docs

78
docs citations

78
times ranked

2510
citing authors

#	ARTICLE	IF	CITATIONS
1	Molecular regulation of lung maturation in near-term fetal sheep by maternal daily vitamin C treatment in late gestation. <i>Pediatric Research</i> , 2022, 91, 828-838.	2.3	5
2	Altered trajectory of neurodevelopment associated with fetal growth restriction. <i>Experimental Neurology</i> , 2022, 347, 113885.	4.1	17
3	Chronic Hypoxia in Ovine Pregnancy Recapitulates Physiological and Molecular Markers of Preeclampsia in the Mother, Placenta, and Offspring. <i>Hypertension</i> , 2022, 79, 1525-1535.	2.7	17
4	Impact of Acute and Chronic Hypoxia-Ischemia on the Transitional Circulation. <i>Pediatrics</i> , 2021, 147, .	2.1	9
5	Cardiovascular and Cerebrovascular Implications of Growth Restriction: Mechanisms and Potential Treatments. <i>International Journal of Molecular Sciences</i> , 2021, 22, 7555.	4.1	12
6	Neurovascular effects of umbilical cord blood-derived stem cells in growth-restricted newborn lambs. <i>Stem Cell Research and Therapy</i> , 2020, 11, 17.	5.5	20
7	Maternal sildenafil impairs the cardiovascular adaptations to chronic hypoxaemia in fetal sheep. <i>Journal of Physiology</i> , 2020, 598, 4405-4419.	2.9	11
8	Early impact of moderate preterm birth on the structure, function and gene expression of conduit arteries. <i>Experimental Physiology</i> , 2020, 105, 1256-1267.	2.0	1
9	Altered Cardiovascular Defense to Hypotensive Stress in the Chronically Hypoxic Fetus. <i>Hypertension</i> , 2020, 76, 1195-1207.	2.7	9
10	Translatable mitochondria-targeted protection against programmed cardiovascular dysfunction. <i>Science Advances</i> , 2020, 6, eabb1929.	10.3	41
11	Umbilical Cord Blood Cells Do Not Reduce Ventilation-Induced Lung Injury in Preterm Lambs. <i>Frontiers in Physiology</i> , 2020, 11, 119.	2.8	4
12	Is Umbilical Cord Blood Therapy an Effective Treatment for Early Lung Injury in Growth Restriction?. <i>Frontiers in Endocrinology</i> , 2020, 11, 86.	3.5	0
13	Does Antenatal Betamethasone Alter White Matter Brain Development in Growth Restricted Fetal Sheep?. <i>Frontiers in Cellular Neuroscience</i> , 2020, 14, 100.	3.7	3
14	Preterm growth restriction and bronchopulmonary dysplasia: the vascular hypothesis and related physiology. <i>Journal of Physiology</i> , 2019, 597, 1209-1220.	2.9	46
15	Trust the heart to save the brain: changes in heart rate patterns have the potential to be a biomarker for hypoxic ischaemic brain injury. <i>Journal of Physiology</i> , 2019, 597, 5519-5520.	2.9	0
16	Intervention against hypertension in the next generation programmed by developmental hypoxia. <i>PLoS Biology</i> , 2019, 17, e2006552.	5.6	43
17	Maternal and fetal cardiometabolic recovery following ultrasound-guided high-intensity focused ultrasound placental vascular occlusion. <i>Journal of the Royal Society Interface</i> , 2019, 16, 20190013.	3.4	8
18	Fetal growth restriction is associated with an altered cardiopulmonary and cerebral hemodynamic response to surfactant therapy in preterm lambs. <i>Pediatric Research</i> , 2019, 86, 47-54.	2.3	6

#	ARTICLE	IF	CITATIONS
19	Effects of Maternal Sildenafil Treatment on Vascular Function in Growth-Restricted Fetal Sheep. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2019, 39, 731-740.	2.4	16
20	Umbilical cord blood versus mesenchymal stem cells for inflammation-induced preterm brain injury in fetal sheep. <i>Pediatric Research</i> , 2019, 86, 165-173.	2.3	36
21	Neonatal Morbidities of Fetal Growth Restriction: Pathophysiology and Impact. <i>Frontiers in Endocrinology</i> , 2019, 10, 55.	3.5	237
22	Dose-dependent exacerbation of ventilation-induced lung injury by erythropoietin in preterm newborn lambs. <i>Journal of Applied Physiology</i> , 2019, 126, 44-50.	2.5	11
23	Placental histopathology in preterm fetal growth restriction. <i>Journal of Paediatrics and Child Health</i> , 2019, 55, 582-587.	0.8	19
24	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.	2.9	17
25	Altered autonomic control of heart rate variability in the chronically hypoxic fetus. <i>Journal of Physiology</i> , 2018, 596, 6105-6119.	2.9	29
26	The effect of sex and prematurity on the cardiovascular baroreflex response in sheep. <i>Experimental Physiology</i> , 2018, 103, 9-18.	2.0	4
27	Vascular aging and cardiac maladaptation in growth-restricted preterm infants. <i>Journal of Perinatology</i> , 2018, 38, 92-97.	2.0	27
28	Maternal Allopurinol Prevents Cardiac Dysfunction in Adult Male Offspring Programmed by Chronic Hypoxia During Pregnancy. <i>Hypertension</i> , 2018, 72, 971-978.	2.7	29
29	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.	1.8	24
30	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.	2.0	37
31	Detection and assessment of brain injury in the growth-restricted fetus and neonate. <i>Pediatric Research</i> , 2017, 82, 184-193.	2.3	48
32	Early- versus Late-Onset Fetal Growth Restriction Differentially Affects the Development of the Fetal Sheep Brain. <i>Developmental Neuroscience</i> , 2017, 39, 141-155.	2.0	43
33	Maternal chronic hypoxia increases expression of genes regulating lung liquid movement and surfactant maturation in male fetuses in late gestation. <i>Journal of Physiology</i> , 2017, 595, 4329-4350.	2.9	17
34	Effects of antenatal melatonin therapy on lung structure in growth-restricted newborn lambs. <i>Journal of Applied Physiology</i> , 2017, 123, 1195-1203.	2.5	17
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.	1.4	8
36	Cardiac Morphology and Function in Preterm Growth Restricted Infants: Relevance for Clinical Sequelae. <i>Journal of Pediatrics</i> , 2017, 188, 128-134.e2.	1.8	34

#	ARTICLE	IF	CITATIONS
37	Betamethasone-exposed preterm birth does not impair insulin action in adult sheep. <i>Journal of Endocrinology</i> , 2017, 232, 175-187.	2.6	6
38	Perinatal Brain Injury As a Consequence of Preterm Birth and Intrauterine Inflammation: Designing Targeted Stem Cell Therapies. <i>Frontiers in Neuroscience</i> , 2017, 11, 200.	2.8	59
39	Term vs. preterm cord blood cells for the prevention of preterm brain injury. <i>Pediatric Research</i> , 2017, 82, 1030-1038.	2.3	31
40	Fetal <i>in vivo</i> continuous cardiovascular function during chronic hypoxia. <i>Journal of Physiology</i> , 2016, 594, 1247-1264.	2.9	60
41	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.	2.5	4
42	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.	2.9	19
43	Divergence of mechanistic pathways mediating cardiovascular aging and developmental programming of cardiovascular disease. <i>FASEB Journal</i> , 2016, 30, 1968-1975.	0.5	54
44	Altered cardiovascular function at birth in growth-restricted preterm lambs. <i>Pediatric Research</i> , 2016, 80, 538-546.	2.3	29
45	Melatonin modulates the fetal cardiovascular defense response to acute hypoxia. <i>Journal of Pineal Research</i> , 2015, 59, 80-90.	7.4	41
46	Induction of controlled hypoxic pregnancy in large mammalian species. <i>Physiological Reports</i> , 2015, 3, e12614.	1.7	47
47	Cerebrovascular adaptations to chronic hypoxia in the growth restricted lamb. <i>International Journal of Developmental Neuroscience</i> , 2015, 45, 55-65.	1.6	52
48	Heart Disease Link to Fetal Hypoxia and Oxidative Stress. <i>Advances in Experimental Medicine and Biology</i> , 2014, 814, 77-87.	1.6	58
49	Xanthine oxidase and the fetal cardiovascular defence to hypoxia in late gestation ovine pregnancy. <i>Journal of Physiology</i> , 2014, 592, 475-489.	2.9	36
50	The role of lung inflation and sodium transport in airway liquid clearance during lung aeration in newborn rabbits. <i>Pediatric Research</i> , 2013, 73, 443-449.	2.3	41
51	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.	2.8	80
52	Delaying cord clamping until ventilation onset improves cardiovascular function at birth in preterm lambs. <i>Journal of Physiology</i> , 2013, 591, 2113-2126.	2.9	365
53	Effects of caffeine on renal and pulmonary function in preterm newborn lambs. <i>Pediatric Research</i> , 2012, 72, 19-25.	2.3	15
54	The effects of intrauterine growth restriction and antenatal glucocorticoids on ovine fetal lung development. <i>Pediatric Research</i> , 2012, 71, 689-696.	2.3	41

#	ARTICLE	IF	CITATIONS
55	Inflammation in utero exacerbates ventilation-induced brain injury in preterm lambs. <i>Journal of Applied Physiology</i> , 2012, 112, 481-489.	2.5	39
56	A role for xanthine oxidase in the control of fetal cardiovascular function in late gestation sheep. <i>Journal of Physiology</i> , 2012, 590, 1825-1837.	2.9	31
57	Altered Lung Motion is a Sensitive Indicator of Regional Lung Disease. <i>Annals of Biomedical Engineering</i> , 2012, 40, 1160-1169.	2.5	56
58	Human amnion epithelial cells reduce ventilation-induced preterm lung injury in fetal sheep. <i>American Journal of Obstetrics and Gynecology</i> , 2012, 206, 448.e8-448.e15.	1.3	78
59	Comparison of the In Vivo Hemodynamic Effects of the Antiarrhythmic Agents Vernakalant and Flecainide in a Rat Hindlimb Perfusion Model. <i>Journal of Cardiovascular Pharmacology</i> , 2011, 57, 463-468.	1.9	5
60	Changing Oxygen Concentration in the Delivery Room: You May Not Get What You Expect. <i>Pediatric Research</i> , 2011, 70, 559-559.	2.3	0
61	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.	2.5	21
62	Cardiopulmonary haemodynamics in lambs during induced capillary leakage immediately after preterm birth. <i>Clinical and Experimental Pharmacology and Physiology</i> , 2011, 38, 222-228.	1.9	7
63	Phase contrast image segmentation using a Laue analyser crystal. <i>Physics in Medicine and Biology</i> , 2011, 56, 515-534.	3.0	42
64	An Initial Sustained Inflation Improves the Respiratory and Cardiovascular Transition at Birth in Preterm Lambs. <i>Pediatric Research</i> , 2011, 70, 56-60.	2.3	119
65	Injury and repair in the very immature lung following brief mechanical ventilation. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2011, 301, L917-L926.	2.9	40
66	Assessment of gas flow waves for endotracheal tube placement in an ovine model of neonatal resuscitation. <i>Resuscitation</i> , 2010, 81, 737-741.	3.0	16
67	Pulmonary hemodynamic responses to in utero ventilation in very immature fetal sheep. <i>Respiratory Research</i> , 2010, 11, 111.	3.6	7
68	Ventilation and Oxygen: Dose-Related Effects of Oxygen on Ventilation-Induced Lung Injury. <i>Pediatric Research</i> , 2010, 67, 238-243.	2.3	15
69	Intrauterine inflammation causes pulmonary hypertension and cardiovascular sequelae in preterm lambs. <i>Journal of Applied Physiology</i> , 2010, 108, 1757-1765.	2.5	40
70	X-ray phase, absorption and scatter retrieval using two or more phase contrast images. <i>Optics Express</i> , 2010, 18, 19994.	3.4	33
71	Persistent bronchiolar remodeling following brief ventilation of the very immature ovine lung. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2009, 297, L992-L1001.	2.9	31
72	Antenatal Corticosteroids Increase Fetal, But Not Postnatal, Pulmonary Blood Flow in Sheep. <i>Pediatric Research</i> , 2009, 66, 283-288.	2.3	24

#	ARTICLE	IF	CITATIONS
73	Dynamic changes in the direction of blood flow through the ductus arteriosus at birth. <i>Journal of Physiology</i> , 2009, 587, 4695-4704.	2.9	127
74	Cardiovascular and pulmonary consequences of airway recruitment in preterm lambs. <i>Journal of Applied Physiology</i> , 2009, 106, 1347-1355.	2.5	57
75	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.	2.3	49
76	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.	2.5	23
77	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.	2.3	31
78	Increased lung expansion alters lung growth but not alveolar epithelial cell differentiation in newborn lambs. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2007, 292, L454-L461.	2.9	9