

Dino A Giussani

List of Publications by Year in descending order

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229
papers

8,278
citations

41258

49
h-index

69108

77
g-index

234
all docs

234
docs citations

234
times ranked

5509
citing authors

#	ARTICLE	IF	CITATIONS
1	Intrauterine Programming of Physiological Systems: Causes and Consequences. <i>Physiology</i> , 2006, 21, 29-37.	1.6	367
2	Afferent and efferent components of the cardiovascular reflex responses to acute hypoxia in term fetal sheep. <i>Journal of Physiology</i> , 1993, 461, 431-449.	1.3	288
3	The fetal brain sparing response to hypoxia: physiological mechanisms. <i>Journal of Physiology</i> , 2016, 594, 1215-1230.	1.3	253
4	Developmental Programming of Cardiovascular Dysfunction by Prenatal Hypoxia and Oxidative Stress. <i>PLoS ONE</i> , 2012, 7, e31017.	1.1	228
5	Effects of Altitude versus Economic Status on Birth Weight and Body Shape at Birth. <i>Pediatric Research</i> , 2001, 49, 490-494.	1.1	194
6	Endocrine and metabolic programming during intrauterine development. <i>Early Human Development</i> , 2005, 81, 723-734.	0.8	167
7	A comparative study of cardiovascular, endocrine and behavioural effects of betamethasone and dexamethasone administration to fetal sheep. <i>Journal of Physiology</i> , 1997, 499, 217-226.	1.3	157
8	Melatonin improves placental efficiency and birth weight and increases the placental expression of antioxidant enzymes in undernourished pregnancy. <i>Journal of Pineal Research</i> , 2009, 46, 357-364.	3.4	150
9	Developmental programming of cardiovascular disease by prenatal hypoxia. <i>Journal of Developmental Origins of Health and Disease</i> , 2013, 4, 328-337.	0.7	147
10	The Programming of Cardiac Hypertrophy in the Offspring by Maternal Obesity Is Associated with Hyperinsulinemia, AKT, ERK, and mTOR Activation. <i>Endocrinology</i> , 2012, 153, 5961-5971.	1.4	122
11	Reduced Cystathionine β -Lyase and Increased miR-21 Expression Are Associated with Increased Vascular Resistance in Growth-Restricted Pregnancies. <i>American Journal of Pathology</i> , 2013, 182, 1448-1458.	1.9	120
12	Fetal cardiovascular reflex responses to hypoxaemia. <i>Fetal and Maternal Medicine Review</i> , 1994, 6, 17-37.	0.3	114
13	Improving pregnancy outcomes in humans through studies in sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018, 315, R1123-R1153.	0.9	111
14	Production of premature delivery in pregnant rhesus monkeys by androstenedione infusion. <i>Nature Medicine</i> , 1996, 2, 443-448.	15.2	110
15	Maternal Diet-induced Obesity Programs Cardiovascular Dysfunction in Adult Male Mouse Offspring Independent of Current Body Weight. <i>Endocrinology</i> , 2014, 155, 3970-3980.	1.4	98
16	Melatonin and vitamin C increase umbilical blood flow via nitric oxide-dependent mechanisms. <i>Journal of Pineal Research</i> , 2010, 49, 399-406.	3.4	97
17	In vitro validation of Doppler indices using blood and water. <i>Journal of Ultrasound in Medicine</i> , 1991, 10, 305-308.	0.8	96
18	Effects of prevailing hypoxaemia, acidaemia or hypoglycaemia upon the cardiovascular, endocrine and metabolic responses to acute hypoxaemia in the ovine fetus. <i>Journal of Physiology</i> , 2002, 540, 351-366.	1.3	94

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19	The role of oxygen in prenatal growth: studies in the chick embryo. <i>Journal of Physiology</i> , 2007, 585, 911-917.	1.3	90
20	Maternal diet-induced obesity programmes cardiac dysfunction in male mice independently of post-weaning diet. <i>Cardiovascular Research</i> , 2018, 114, 1372-1384.	1.8	88
21	Development of the ovine fetal cardiovascular defense to hypoxemia towards full term. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006, 291, H3023-H3034.	1.5	86
22	High-altitude chronic hypoxia during gestation and after birth modifies cardiovascular responses in newborn sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007, 292, R2234-R2240.	0.9	85
23	Graduated effects of high-altitude hypoxia and highland ancestry on birth size. <i>Pediatric Research</i> , 2013, 74, 633-638.	1.1	84
24	Ascorbate prevents placental oxidative stress and enhances birth weight in hypoxic pregnancy in rats. <i>Journal of Physiology</i> , 2012, 590, 1377-1387.	1.3	83
25	Local paracrine effects of estradiol are central to parturition in the rhesus monkey. <i>Nature Medicine</i> , 1998, 4, 456-459.	15.2	74
26	Physiological comparison of spontaneous and positive-pressure ventilation in laryngotracheal stenosis. <i>British Journal of Anaesthesia</i> , 2008, 101, 419-423.	1.5	74
27	Partial contributions of developmental hypoxia and undernutrition to prenatal alterations in somatic growth and cardiovascular structure and function. <i>American Journal of Obstetrics and Gynecology</i> , 2010, 203, 495.e24-495.e34.	0.7	74
28	Placental Adaptation to Early-Onset Hypoxic Pregnancy and Mitochondria-Targeted Antioxidant Therapy in a Rodent Model. <i>American Journal of Pathology</i> , 2018, 188, 2704-2716.	1.9	65
29	Effects of low dose dexamethasone treatment on basal cardiovascular and endocrine function in fetal sheep during late gestation. <i>Journal of Physiology</i> , 2002, 545, 649-660.	1.3	64
30	Prenatal hypoxia independent of undernutrition promotes molecular markers of insulin resistance in adult offspring. <i>FASEB Journal</i> , 2011, 25, 420-427.	0.2	64
31	Carotid sinus nerve section and the increase in plasma cortisol during acute hypoxia in fetal sheep. <i>Journal of Physiology</i> , 1994, 477, 75-80.	1.3	62
32	Carotid endarterectomy impairs blood pressure homeostasis by reducing the physiologic baroreflex reserve. <i>Journal of Vascular Surgery</i> , 2005, 41, 631-637.	0.6	61
33	Long-term exposure to high-altitude chronic hypoxia during gestation induces neonatal pulmonary hypertension at sea level. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010, 299, R1676-R1684.	0.9	61
34	Regulation of 11 beta-hydroxysteroid dehydrogenase type 2 activity in ovine placenta by fetal cortisol. <i>Journal of Endocrinology</i> , 2002, 172, 527-534.	1.2	60
35	Vitamin C Prevents Intrauterine Programming of in vivo Cardiovascular Dysfunction in the Rat. <i>Circulation Journal</i> , 2013, 77, 2604-2611.	0.7	60
36	Fetal <i>in vivo</i> continuous cardiovascular function during chronic hypoxia. <i>Journal of Physiology</i> , 2016, 594, 1247-1264.	1.3	60

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37	Heart Disease Link to Fetal Hypoxia and Oxidative Stress. <i>Advances in Experimental Medicine and Biology</i> , 2014, 814, 77-87.	0.8	58
38	Redox modulation of the fetal cardiovascular defence to hypoxaemia. <i>Journal of Physiology</i> , 2010, 588, 4235-4247.	1.3	57
39	Developmental changes in plasma catecholamine concentrations during normoxia and acute hypoxia in the chick embryo. <i>Journal of Physiology</i> , 2000, 527, 593-599.	1.3	55
40	Plasma Adrenocorticotropin and Cortisol Concentrations during Acute Hypoxemia after a Reversible Period of Adverse Intrauterine Conditions in the Ovine Fetus During Late Gestation**This work was supported by the British Heart Foundation.. <i>Endocrinology</i> , 2001, 142, 589-598.	1.4	55
41	The effects of birth weight on basal cardiovascular function in pigs at 3 months of age. <i>Journal of Physiology</i> , 2002, 539, 969-978.	1.3	54
42	Divergence of mechanistic pathways mediating cardiovascular aging and developmental programming of cardiovascular disease. <i>FASEB Journal</i> , 2016, 30, 1968-1975.	0.2	54
43	The Fetal Llama versus the Fetal Sheep: Different Strategies to Withstand Hypoxia. <i>High Altitude Medicine and Biology</i> , 2003, 4, 193-202.	0.5	53
44	Antioxidant Treatment Alters Peripheral Vascular Dysfunction Induced by Postnatal Glucocorticoid Therapy in Rats. <i>PLoS ONE</i> , 2010, 5, e9250.	1.1	53
45	Fetal cardiovascular, metabolic and endocrine responses to acute hypoxaemia during and following maternal treatment with dexamethasone in sheep. <i>Journal of Physiology</i> , 2005, 567, 673-688.	1.3	52
46	Neuropeptide Y in the Sheep Fetus: Effects of Acute Hypoxemia and Dexamethasone During Late Gestation¹. <i>Endocrinology</i> , 2000, 141, 3976-3982.	1.4	51
47	Diagnosis of laryngotracheal stenosis from routine pulmonary physiology using the expiratory disproportion index. <i>Laryngoscope</i> , 2013, 123, 3099-3104.	1.1	51
48	Hypoxia, AMPK activation and uterine artery vasoreactivity. <i>Journal of Physiology</i> , 2016, 594, 1357-1369.	1.3	51
49	Maternal exercise intervention in obese pregnancy improves the cardiovascular health of the adult male offspring. <i>Molecular Metabolism</i> , 2018, 16, 35-44.	3.0	51
50	Adrenergic and vasopressinergic contributions to the cardiovascular response to acute hypoxaemia in the llama fetus. <i>Journal of Physiology</i> , 1999, 515, 233-241.	1.3	50
51	Cardiovascular and endocrine responses to acute hypoxaemia during and following dexamethasone infusion in the ovine fetus. <i>Journal of Physiology</i> , 2003, 549, 271-287.	1.3	50
52	Effects of dexamethasone on the glucogenic capacity of fetal, pregnant, and non-pregnant adult sheep. <i>Journal of Endocrinology</i> , 2007, 192, 67-73.	1.2	50
53	Effect of carotid denervation on plasma vasopressin levels during acute hypoxia in the lateâ€gestation sheep fetus.. <i>Journal of Physiology</i> , 1994, 477, 81-87.	1.3	49
54	Plasma Leptin Concentration in Fetal Sheep during Late Gestation: Ontogeny and Effect of Glucocorticoids. <i>Endocrinology</i> , 2002, 143, 1166-1173.	1.4	49

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55	Preeclampsia link to gestational hypoxia. <i>Journal of Developmental Origins of Health and Disease</i> , 2019, 10, 322-333.	0.7	49
56	Adrenocortical responsiveness is blunted in twin relative to singleton ovine fetuses. <i>Journal of Physiology</i> , 2004, 557, 1021-1032.	1.3	47
57	Induction of controlled hypoxic pregnancy in large mammalian species. <i>Physiological Reports</i> , 2015, 3, e12614.	0.7	47
58	Pathophysiological mechanisms of high-intensity focused ultrasound-mediated vascular occlusion and relevance to non-invasive fetal surgery. <i>Journal of the Royal Society Interface</i> , 2014, 11, 20140029.	1.5	46
59	Melatonin rescues cardiovascular dysfunction during hypoxic development in the chick embryo. <i>Journal of Pineal Research</i> , 2016, 60, 16-26.	3.4	46
60	Purinergic contribution to circulatory, metabolic, and adrenergic responses to acute hypoxemia in fetal sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 280, R678-R685.	0.9	44
61	Coenzyme Q10 prevents accelerated cardiac aging in a rat model of poor maternal nutrition and accelerated postnatal growth. <i>Molecular Metabolism</i> , 2013, 2, 480-490.	3.0	44
62	Statin treatment depresses the fetal defence to acute hypoxia via increasing nitric oxide bioavailability. <i>Journal of Physiology</i> , 2012, 590, 323-334.	1.3	43
63	Intervention against hypertension in the next generation programmed by developmental hypoxia. <i>PLoS Biology</i> , 2019, 17, e2006552.	2.6	43
64	Dynamics of cardiovascular responses to repeated partial umbilical cord compression in late-gestation sheep fetus. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 1997, 273, H2351-H2360.	1.5	42
65	Differential Effects of Maternal Dexamethasone Treatment on Circulating Thyroid Hormone Concentrations and Tissue Deiodinase Activity in the Pregnant Ewe and Fetus. <i>Endocrinology</i> , 2007, 148, 800-805.	1.4	41
66	The vulnerable developing brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 2641-2642.	3.3	41
67	Melatonin modulates the fetal cardiovascular defense response to acute hypoxia. <i>Journal of Pineal Research</i> , 2015, 59, 80-90.	3.4	41
68	Translatable mitochondria-targeted protection against programmed cardiovascular dysfunction. <i>Science Advances</i> , 2020, 6, eabb1929.	4.7	41
69	Adverse Intrauterine Conditions Diminish the Fetal Defense Against Acute Hypoxia by Increasing Nitric Oxide Activity. <i>Circulation</i> , 2002, 106, 2278-2283.	1.6	39
70	Low Doses of Dexamethasone Suppress Pituitary-Adrenal Function but Augment the Glycemic Response to Acute Hypoxemia in Fetal Sheep during Late Gestation. <i>Pediatric Research</i> , 2000, 47, 684-691.	1.1	39
71	Carbon monoxide: a novel pulmonary artery vasodilator in neonatal llamas of the Andean altiplano. <i>Cardiovascular Research</i> , 2007, 77, 197-201.	1.8	38
72	Remote ischemic preconditioning in percutaneous coronary revascularization: a double-blind randomized controlled clinical trial. <i>Asian Cardiovascular and Thoracic Annals</i> , 2012, 20, 548-554.	0.2	38

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73	Postnatal cardiovascular function after manipulation of fetal growth by embryo transfer in the horse. <i>Journal of Physiology</i> , 2003, 547, 67-76.	1.3	38
74	Sympathetic control of the cardiovascular response to acute hypoxemia in the chick embryo. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002, 282, R1156-R1163.	0.9	37
75	Uterine and fetal placental Doppler indices are associated with maternal cardiovascular function. <i>American Journal of Obstetrics and Gynecology</i> , 2019, 220, 96.e1-96.e8.	0.7	37
76	Effects of acute acidemia on the fetal cardiovascular defense to acute hypoxemia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2009, 296, R90-R99.	0.9	36
77	Xanthine oxidase and the fetal cardiovascular defence to hypoxia in late gestation ovine pregnancy. <i>Journal of Physiology</i> , 2014, 592, 475-489.	1.3	36
78	Quantifying the Physiology of Laryngotracheal Stenosis: Changes in Pulmonary Dynamics in Response to Graded Extrathoracic Resistive Loading. <i>Laryngoscope</i> , 2007, 117, 581-588.	1.1	35
79	Development of cardiovascular function in the horse fetus. <i>Journal of Physiology</i> , 2005, 565, 1019-1030.	1.3	34
80	Antioxidant treatment improves neonatal survival and prevents impaired cardiac function at adulthood following neonatal glucocorticoid therapy. <i>Journal of Physiology</i> , 2013, 591, 5083-5093.	1.3	34
81	Chemoreflex and endocrine components of cardiovascular responses to acute hypoxemia in the llama fetus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 1996, 271, R73-R83.	0.9	33
82	Enhanced Umbilical Blood Flow During Acute Hypoxemia After Chronic Umbilical Cord Compression. <i>Circulation</i> , 2003, 108, 331-335.	1.6	32
83	Acute Hypoxia Increases S100 β Protein in Association with Blood Flow Redistribution away from Peripheral Circulations in Fetal Sheep. <i>Pediatric Research</i> , 2005, 58, 179-184.	1.1	32
84	Oxidative Stress in the Developing Brain: Effects of Postnatal Glucocorticoid Therapy and Antioxidants in the Rat. <i>PLoS ONE</i> , 2011, 6, e21142.	1.1	32
85	Morphological and Functional Alterations in the Aorta of the Chronically Hypoxic Fetal Rat. <i>Journal of Vascular Research</i> , 2012, 49, 50-58.	0.6	31
86	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.	1.3	31
87	Direct Evidence of Progressive Cardiac Dysfunction in a Transgenic Mouse Model of Huntington's Disease. <i>Journal of Huntington's Disease</i> , 2012, 1, 57-64.	0.9	31
88	Enhanced nitric oxide activity offsets peripheral vasoconstriction during acute hypoxaemia via chemoreflex and adrenomedullary actions in the sheep fetus. <i>Journal of Physiology</i> , 2003, 547, 283-291.	1.3	31
89	Level of postoperative analgesia is a critical factor in regulation of myometrial contractility after laparotomy in the pregnant baboon: Implications for human fetal surgery. <i>American Journal of Obstetrics and Gynecology</i> , 1999, 180, 1196-1201.	0.7	30
90	An in vivo nitric oxide clamp to investigate the influence of nitric oxide on continuous umbilical blood flow during acute hypoxaemia in the sheep fetus. <i>Journal of Physiology</i> , 2001, 537, 587-596.	1.3	30

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91	Fetal Oxygen and Glucose Consumption in Human Pregnancy Complicated by Fetal Growth Restriction. Hypertension, 2020, 75, 748-754.	1.3	30
92	Changes in Adrenocorticotropin and Cortisol Responsiveness after Repeated Partial Umbilical Cord Occlusions in the Late Gestation Ovine Fetus. Endocrinology, 1997, 138, 259-263.	1.4	29
93	Evolving in thin air—Lessons from the llama fetus in the altiplano. Respiratory Physiology and Neurobiology, 2007, 158, 298-306.	0.7	29
94	Effects of Cortisol and Dexamethasone on Insulin Signalling Pathways in Skeletal Muscle of the Ovine Fetus during Late Gestation. PLoS ONE, 2012, 7, e52363.	1.1	29
95	Altered autonomic control of heart rate variability in the chronically hypoxic fetus. Journal of Physiology, 2018, 596, 6105-6119.	1.3	29
96	Maternal Allopurinol Prevents Cardiac Dysfunction in Adult Male Offspring Programmed by Chronic Hypoxia During Pregnancy. Hypertension, 2018, 72, 971-978.	1.3	29
97	A novel method for controlled and reversible long term compression of the umbilical cord in fetal sheep. Journal of Physiology, 2001, 535, 217-229.	1.3	28
98	Development of baroreflex and endocrine responses to hypotensive stress in newborn foals and lambs. Pflügers Archiv European Journal of Physiology, 2005, 450, 298-306.	1.3	28
99	Maturation of pancreatic β -cell function in the fetal horse during late gestation. Journal of Endocrinology, 2005, 186, 467-473.	1.2	28
100	Cardiac and vascular disease prior to hatching in chick embryos incubated at high altitude. Journal of Developmental Origins of Health and Disease, 2010, 1, 60-66.	0.7	28
101	Noninvasive high-intensity focused ultrasound treatment of twin-twin transfusion syndrome: A preliminary in vivo study. Science Translational Medicine, 2016, 8, 347ra95.	5.8	28
102	Effects of dexamethasone on the uterine and umbilical vascular beds during basal and hypoxemic conditions in sheep. American Journal of Obstetrics and Gynecology, 2004, 190, 825-835.	0.7	27
103	Breath of Life: Heart Disease Link to Developmental Hypoxia. Circulation, 2021, 144, 1429-1443.	1.6	27
104	Allopurinol Reduces Oxidative Stress in the Ovine Fetal Cardiovascular System Following Repeated Episodes of Ischemia-Reperfusion. Pediatric Research, 2010, 68, 1.	1.1	26
105	Investigation of the Use of Antioxidants to Diminish the Adverse Effects of Postnatal Glucocorticoid Treatment on Mortality and Cardiac Development. Neonatology, 2010, 98, 73-83.	0.9	26
106	Sildenafil therapy for fetal cardiovascular dysfunction during hypoxic development: studies in the chick embryo. Journal of Physiology, 2017, 595, 1563-1573.	1.3	26
107	First evidence that intrinsic fetal heart rate variability exists and is affected by hypoxic pregnancy. Journal of Physiology, 2020, 598, 249-263.	1.3	26
108	Opposing Effects of Androgen and Estrogen on Pituitary-Adrenal Function in Nonpregnant Primates. Biology of Reproduction, 2000, 62, 1445-1451.	1.2	25

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109	Antenatal glucocorticoids reset the level of baseline and hypoxemia-induced pituitary-adrenal activity in the sheep fetus during late gestation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2004, 286, E311-E319.	1.8	24
110	Phase-rectified signal averaging method to predict perinatal outcome in infants with very preterm fetal growth restriction- a secondary analysis of TRUFFLE-trial. <i>American Journal of Obstetrics and Gynecology</i> , 2016, 215, 630.e1-630.e7.	0.7	24
111	The highs and lows of programmed cardiovascular disease by developmental hypoxia: studies in the chicken embryo. <i>Journal of Physiology</i> , 2018, 596, 2991-3006.	1.3	24
112	Chemoreflex Contribution to Adrenocortical Function during Acute Hypoxemia in the Llama Fetus at 0.6 to 0.7 of Gestation*. <i>Endocrinology</i> , 1998, 139, 2564-2570.	1.4	23
113	±-Adrenergic contribution to the cardiovascular response to acute hypoxemia in the chick embryo. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2001, 281, R2004-R2010.	0.9	23
114	Hindlimb glucose and lactate metabolism during umbilical cord compression and acute hypoxemia in the late-gestation ovine fetus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2003, 284, R954-R964.	0.9	23
115	Fetal and postnatal pulmonary circulation in the Alto Andino. <i>Placenta</i> , 2011, 32, S100-S103.	0.7	23
116	Sex Differences in the Ovine Fetal Cortisol Response to Stress. <i>Pediatric Research</i> , 2011, 69, 118-122.	1.1	23
117	Timing of the Switch from Myometrial Contractures to Contractions in Late-Gestation Pregnant Rhesus Monkeys as Recorded by Myometrial Electromyogram during Spontaneous Term and Androstenedione-Induced Labor1. <i>Biology of Reproduction</i> , 1997, 56, 557-562.	1.2	22
118	Cardiovascular function in term fetal sheep conceived, gestated and studied in the hypobaric hypoxia of the Andean <i>altiplano</i>. <i>Journal of Physiology</i> , 2016, 594, 1231-1245.	1.3	22
119	Regional brain blood flow and cerebral hemispheric oxygen consumption during acute hypoxaemia in the llama fetus. <i>Journal of Physiology</i> , 2002, 538, 975-983.	1.3	20
120	Chronic gestational hypoxia accelerates ovarian aging and lowers ovarian reserve in next-generation adult rats. <i>FASEB Journal</i> , 2019, 33, 7758-7766.	0.2	20
121	Glucocorticoid Maturation of Fetal Cardiovascular Function. <i>Trends in Molecular Medicine</i> , 2020, 26, 170-184.	3.5	20
122	Nitric oxide plays a role in the regulation of adrenal blood flow and adrenocorticomedullary functions in the llama fetus. <i>Journal of Physiology</i> , 2002, 544, 267-276.	1.3	19
123	High altitude hypoxia and blood pressure dysregulation in adult chickens. <i>Journal of Developmental Origins of Health and Disease</i> , 2013, 4, 69-76.	0.7	19
124	High-Altitude Hypoxia and Echocardiographic Indices of Pulmonary Hypertension in Male and Female Chickens at Adulthood. <i>Circulation Journal</i> , 2014, 78, 1459-1464.	0.7	19
125	Daily and hourly temporal association between $\hat{1}^4$ -androstenedione - induced preterm myometrial contractions and maternal plasma estradiol and oxytocin concentrations in the 0.8 gestation rhesus monkey. <i>American Journal of Obstetrics and Gynecology</i> , 1996, 174, 1050-1055.	0.7	18
126	The oxytocin antagonist atosiban prevents androstenedione-induced myometrial contractions in the chronically instrumented, pregnant rhesus monkey.. <i>Endocrinology</i> , 1996, 137, 3302-3307.	1.4	18

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127	Localization and Control of Expression of VEGF-A and the VEGFR-2 Receptor in Fetal Sheep Intestines. <i>Pediatric Research</i> , 2008, 63, 143-148.	1.1	18
128	The heme oxygenase–carbon monoxide system in the regulation of cardiorespiratory function at high altitude. <i>Respiratory Physiology and Neurobiology</i> , 2012, 184, 186-191.	0.7	18
129	Alpha 1– and alpha 2–adrenoreceptor actions of phentolamine and prazosin on breathing movements in fetal sheep in utero. <i>Journal of Physiology</i> , 1995, 486, 249-255.	1.3	17
130	The Effect of a Reversible Period of Adverse Intrauterine Conditions During Late Gestation on Fetal and Placental Weight and Placentome Distribution in Sheep. <i>Placenta</i> , 2002, 23, 459-466.	0.7	17
131	Role of Nitric Oxide in Mediating In Vivo Vascular Responses to Calcitonin Gene-Related Peptide in Essential and Peripheral Circulations in the Fetus. <i>Circulation</i> , 2005, 112, 2510-2516.	1.6	17
132	Incidence and Significance of Myocardial Injury After Surgical Treatment of Head and Neck Cancer. <i>Laryngoscope</i> , 2007, 117, 1581-1587.	1.1	17
133	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.	1.3	17
134	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.	1.3	17
135	Vasodilator tone in the llama fetus: the role of nitric oxide during normoxemia and hypoxemia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2005, 289, R776-R783.	0.9	16
136	Paraoxonase-3, a Putative Circulating Antioxidant, Is Systemically Up-Regulated in Late Gestation in the Fetal Rat, Sheep, and Human. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2010, 95, 3798-3805.	1.8	16
137	Antenatal Allopurinol Reduces Hippocampal Brain Damage After Acute Birth Asphyxia in Late Gestation Fetal Sheep. <i>Reproductive Sciences</i> , 2014, 21, 251-259.	1.1	16
138	The role of nitric oxide in the cardiopulmonary response to hypoxia in highland and lowland newborn llamas. <i>Journal of Physiology</i> , 2018, 596, 5907-5923.	1.3	16
139	Regulation of the switch from myometrial contractures to contractions in late pregnancy: studies in the pregnant sheep and monkey. <i>Reproduction, Fertility and Development</i> , 1995, 7, 595.	0.1	16
140	Plasma Adrenocorticotropin and Cortisol Concentrations during Acute Hypoxemia after a Reversible Period of Adverse Intrauterine Conditions in the Ovine Fetus During Late Gestation*This work was supported by the British Heart Foundation. , 0, .		16
141	Effect of dexamethasone on pulmonary and renal angiotensin-converting enzyme concentration in fetal sheep during late gestation. <i>American Journal of Obstetrics and Gynecology</i> , 2003, 189, 1467-1471.	0.7	15
142	The role of neuropeptide Y in the ovine fetal cardiovascular response to reduced oxygenation. <i>Journal of Physiology</i> , 2003, 546, 891-901.	1.3	15
143	Effects of gestational age and cortisol treatment on ovine fetal heart function in a novel biventricular Langendorff preparation. <i>Journal of Physiology</i> , 2005, 562, 493-505.	1.3	15
144	Development of baroreflex function and hind limb vascular reactivity in the horse fetus. <i>Journal of Physiology</i> , 2006, 572, 155-164.	1.3	15

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145	Chronic hypoxaemia as a molecular regulator of fetal lung development: implications for risk of respiratory complications at birth. <i>Paediatric Respiratory Reviews</i> , 2017, 21, 3-10.	1.2	15
146	Maternal antioxidant treatment protects adult offspring against memory loss and hippocampal atrophy in a rodent model of developmental hypoxia. <i>FASEB Journal</i> , 2021, 35, e21477.	0.2	15
147	Fetal growth and spontaneous preterm birth in high-altitude pregnancy: A systematic review, meta-analysis, and meta-regression. <i>International Journal of Gynecology and Obstetrics</i> , 2022, 157, 221-229.	1.0	15
148	Maternal obesity: new placental paradigms unfolded. <i>Trends in Molecular Medicine</i> , 2022, 28, 823-835.	3.5	15
149	Corticotropin-releasing hormone and its receptor distribution in fetal membranes and placenta of the rhesus monkey in late gestation and labor.. <i>Endocrinology</i> , 1995, 136, 4621-4628.	1.4	14
150	Propofol anaesthesia for surgery in late gestation pony mares. <i>Veterinary Anaesthesia and Analgesia</i> , 2001, 28, 177-187.	0.3	14
151	Chronic umbilical cord compression results in accelerated maturation of lung and brown adipose tissue in the sheep fetus during late gestation. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2005, 289, E456-E465.	1.8	14
152	Pituitary-Adrenal Responses to Acute Hypoxemia During and After Maternal Dexamethasone Treatment in Sheep. <i>Pediatric Research</i> , 2004, 56, 864-872.	1.1	13
153	Antenatal glucocorticoid therapy increases glucose delivery to cerebral circulations during acute hypoxemia in fetal sheep during late gestation. <i>American Journal of Obstetrics and Gynecology</i> , 2009, 201, 82.e1-82.e8.	0.7	13
154	Combined Antioxidant and Glucocorticoid Therapy for Safer Treatment of Preterm Birth. <i>Trends in Endocrinology and Metabolism</i> , 2019, 30, 258-269.	3.1	13
155	Effect of androstenedione administration on the maternal hypothalamo-pituitary-adreno-placental axis in the pregnant rhesus monkey.. <i>Endocrinology</i> , 1996, 137, 608-614.	1.4	12
156	Changes in Fetal Plasma Corticotropin-Releasing Hormone during Androstenedione-Induced Labor in the Rhesus Monkey: Lack of an Effect on the Fetal Hypothalamo-Pituitary-Adrenal Axis1. <i>Endocrinology</i> , 1998, 139, 2803-2810.	1.4	12
157	Developmental changes in pulmonary and renal angiotensin-converting enzyme concentration in fetal and neonatal horses. <i>Reproduction, Fertility and Development</i> , 2002, 14, 413.	0.1	12
158	Nitric Oxide Reduces Vagal Baroreflex Sensitivity in the Late Gestation Fetus. <i>Pediatric Research</i> , 2009, 65, 269-273.	1.1	12
159	Role of the β -adrenergic system in femoral vascular reactivity in neonatal llamas and sheep: a comparative study between highland and lowland species. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2011, 301, R1153-R1160.	0.9	12
160	Maternal Dexamethasone Treatment Alters Tissue and Circulating Components of the Renin-Angiotensin System in the Pregnant Ewe and Fetus. <i>Endocrinology</i> , 2015, 156, 3038-3046.	1.4	12
161	Impact of Chronic Fetal Hypoxia and Inflammation on Cardiac Pacemaker Cell Development. <i>Cells</i> , 2020, 9, 733.	1.8	12
162	Calcitonin gene-related peptide contributes to the umbilical haemodynamic defence response to acute hypoxaemia. <i>Journal of Physiology</i> , 2005, 563, 309-317.	1.3	11

#	ARTICLE	IF	CITATIONS
163	Defining the relationship between fetal Doppler indices, abdominal circumference and growth rate in severe fetal growth restriction using functional linear discriminant analysis. <i>Journal of the Royal Society Interface</i> , 2013, 10, 20130376.	1.5	11
164	Physiological development of the equine fetus during late gestation. <i>Equine Veterinary Journal</i> , 2020, 52, 165-173.	0.9	11
165	Mitochondria antioxidant protection against cardiovascular dysfunction programmed by early-onset gestational hypoxia. <i>FASEB Journal</i> , 2021, 35, e21446.	0.2	11
166	Blood pressure and hypertensive disorders of pregnancy at high altitude: a systematic review and meta-analysis. <i>American Journal of Obstetrics & Gynecology MFM</i> , 2021, 3, 100400.	1.3	11
167	Maternal melatonin: Effective intervention against developmental programming of cardiovascular dysfunction in adult offspring of complicated pregnancy. <i>Journal of Pineal Research</i> , 2022, 72, e12766.	3.4	11
168	Cell Type-Specific Regulation of Fetal Fibronectin Expression in Amnion: Conservation of Glucocorticoid Responsiveness in Human and Nonhuman Primates ¹ . <i>Biology of Reproduction</i> , 2000, 62, 1812-1817.	1.2	10
169	Hypoxia, fetal and neonatal physiology: 100 years on from Sir Joseph Barcroft. <i>Journal of Physiology</i> , 2016, 594, 1105-1111.	1.3	10
170	Variations on fetal heart rate variability. <i>Journal of Physiology</i> , 2016, 594, 1279-1280.	1.3	10
171	Influence of gestational diabetes on fetal autonomic nervous system: a study using phase-rectified signal-averaging analysis. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018, 52, 347-351.	0.9	10
172	Trans-abdominal in vivo placental vessel occlusion using High Intensity Focused Ultrasound. <i>Scientific Reports</i> , 2018, 8, 13631.	1.6	10
173	Amnioinfusion increases amniotic pressure in pregnant sheep but does not alter fetal acid-base status. <i>American Journal of Obstetrics and Gynecology</i> , 1991, 165, 1459-1463.	0.7	9
174	Stimulation of the switch in myometrial activity from contractures to contractions in the pregnant sheep and nonhuman primate. <i>Equine Veterinary Journal</i> , 1997, 29, 83-88.	0.9	9
175	Statins prevent adverse effects of postnatal glucocorticoid therapy on the developing brain in rats. <i>Pediatric Research</i> , 2013, 74, 639-645.	1.1	9
176	Maternal-to-fetal allopurinol transfer and xanthine oxidase suppression in the late gestation pregnant rat. <i>Physiological Reports</i> , 2013, 1, e00156.	0.7	9
177	Altered Cardiovascular Defense to Hypotensive Stress in the Chronically Hypoxic Fetus. <i>Hypertension</i> , 2020, 76, 1195-1207.	1.3	9
178	Carotid blood flow changes with behavioral states in the late gestation llama fetus in utero. <i>Developmental Brain Research</i> , 1997, 104, 137-141.	2.1	8
179	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.	1.5	8
180	Chronic fetal hypoxia disrupts the periconceptual environment in next-generation adult female rats. <i>Journal of Physiology</i> , 2019, 597, 2391-2401.	1.3	8

#	ARTICLE	IF	CITATIONS
181	Isolating adverse effects of glucocorticoids on the embryonic cardiovascular system. <i>FASEB Journal</i> , 2020, 34, 9664-9677.	0.2	8
182	Changes in Adrenocorticotropin and Cortisol Responsiveness after Repeated Partial Umbilical Cord Occlusions in the Late Gestation Ovine Fetus. , 0, .		8
183	Vascular Disorders of Pregnancy Increase Susceptibility to Neonatal Pulmonary Hypertension in High-Altitude Populations. <i>Hypertension</i> , 2022, 79, 1286-1296.	1.3	8
184	Fetal growth in the baboon during the second half of pregnancy. <i>Journal of Medical Primatology</i> , 1998, 27, 234-239.	0.3	7
185	Androstenedione Treatment of Pregnant Baboons at 0.7-0.8 of Gestation Promotes a Premature Forward Shift in the Nocturnal Maternal Plasma Estradiol Surge Relative to Progesterone and Increases Myometrial Contraction Activity*. <i>Endocrinology</i> , 2000, 141, 3296-3303.	1.4	7
186	Developmental Expression and Glucocorticoid Control of the Leptin Receptor in Fetal Ovine Lung. <i>PLoS ONE</i> , 2015, 10, e0136115.	1.1	7
187	Parental ancestry and risk of early pregnancy loss at high altitude. <i>FASEB Journal</i> , 2020, 34, 13741-13749.	0.2	7
188	Hypertension Programmed in Adult Hens by Isolated Effects of Developmental Hypoxia In Ovo. <i>Hypertension</i> , 2020, 76, 533-544.	1.3	7
189	Detection and response to acute systemic hypoxia. <i>BJA Education</i> , 2020, 20, 58-64.	0.6	7
190	Developmental changes in blood pressure and the renin-angiotensin system in pony fetuses during the second half of gestation. <i>Journal of Reproduction and Fertility Supplement</i> , 2000, , 693-703.	0.1	7
191	Differential Effects of Betamethasone and Dexamethasone Fetal Administration of Parturition in Sheep. <i>Journal of the Society for Gynecologic Investigation</i> , 1996, 3, 336-341.	1.9	6
192	Hypoxia, fetal growth and early origins of disease: the Andean curse on the Conquistadors. <i>Journal of Physiology</i> , 2007, 582, 472-472.	1.3	6
193	Impaired Nitric Oxide Mediated Vasodilation In The Peripheral Circulation In The R6/2 Mouse Model Of Huntington's Disease. <i>Scientific Reports</i> , 2016, 6, 25979.	1.6	6
194	Protective effects of pravastatin on the embryonic cardiovascular system during hypoxic development. <i>FASEB Journal</i> , 2020, 34, 16504-16515.	0.2	6
195	Adrenocortical Suppression in Highland Chick Embryos Is Restored during Incubation at Sea Level. <i>High Altitude Medicine and Biology</i> , 2011, 12, 79-87.	0.5	5
196	Effects of Antenatal Betamethasone on Fetal Doppler Indices and Short Term Fetal Heart Rate Variation in Early Growth Restricted Fetuses. <i>Ultraschall in Der Medizin</i> , 2021, 42, 56-64.	0.8	5
197	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.	1.1	5
198	Counterpoint: High Altitude is not for the Birds!. <i>Journal of Applied Physiology</i> , 2011, 111, 1515-1518.	1.2	4

#	ARTICLE	IF	CITATIONS
199	Acute hypoxiaâ€reoxygenation and vascular oxygen sensing in the chicken embryo. <i>Physiological Reports</i> , 2017, 5, e13501.	0.7	4
200	Isolating the direct effects of adverse developmental conditions on <i>in vivo</i> cardiovascular function at adulthood: the avian model. <i>Journal of Developmental Origins of Health and Disease</i> , 2018, 9, 460-466.	0.7	4
201	Calcitonin gene-related peptide antagonism attenuates the haemodynamic and glycaemic responses to acute hypoxaemia in the late gestation sheep fetus. <i>Journal of Physiology</i> , 2005, 566, 587-597.	1.3	3
202	Scaling of cardiac morphology is interrupted by birth in the developing sheep <i>Ovis aries</i> . <i>Journal of Anatomy</i> , 2019, 235, 96-105.	0.9	3
203	Embryonic cardioprotection by hydrogen sulphide: studies of isolated cardiac function and ischaemiaâ€reperfusion injury in the chicken embryo. <i>Journal of Physiology</i> , 2020, 598, 4197-4208.	1.3	3
204	Perinatal cardiopulmonary adaptation to the thin air of the Alto Andino by a native Altiplano dweller, the llama. <i>Journal of Applied Physiology</i> , 2020, 129, 152-161.	1.2	3
205	Is the Rapid and Intense Peripheral Vasoconstriction Occurring during Acute Hypoxaemia in the Llama Fetus an Arterial Chemoreflex?. <i>Advances in Experimental Medicine and Biology</i> , 1994, 360, 341-344.	0.8	3
206	The effects of birth weight on basal cardiovascular function in pigs at 3 months of age. , 2002, 539, 969.		3
207	Prenatal hypoxia: relevance to developmental origins of health and disease. , 2006, , 178-190.		2
208	Labouring on decelerations: the fetal peripheral chemoreflex wins. <i>Journal of Physiology</i> , 2016, 594, 4699-4700.	1.3	2
209	Endothelial cell regulation of systemic haemodynamics and metabolism acts through the HIF transcription factors. <i>Intensive Care Medicine Experimental</i> , 2021, 9, 28.	0.9	2
210	Inhibitory effect of iloprost on the contractility of lower uterine segment myometrium from rhesus monkeys in normal-term and androstenedione-induced preterm labor. <i>Journal of the Society for Gynecologic Investigation</i> , 2000, 7, 167-169.	1.9	2
211	Intrauterine hypoxaemia and cardiovascular development.. , 2004, , 55-85.		2
212	Noninvasive Biomarkers for Cardiovascular Dysfunction Programmed in Male Offspring of Adverse Pregnancy. <i>Hypertension</i> , 2021, 78, 1818-1828.	1.3	2
213	The Role of Calcitonin Gene-Related Peptide in the <i>in Vivo</i> Pituitary-Adrenocortical Response to Acute Hypoxemia in the Late-Gestation Sheep Fetus. <i>Endocrinology</i> , 2005, 146, 4871-4877.	1.4	1
214	miRNAâ€210: a hypoxamiRyad of possibilities. <i>Journal of Physiology</i> , 2018, 596, 5501-5502.	1.3	1
215	Maternal and fetal cardiovascular and metabolic effects of intra-operative uterine handling under general anesthesia during pregnancy in sheep. <i>Scientific Reports</i> , 2020, 10, 10867.	1.6	1
216	Heart during acidosis: Etiology and early detection of cardiac dysfunction. <i>EClinicalMedicine</i> , 2021, 37, 100994.	3.2	1

#	ARTICLE	IF	CITATIONS
217	Hypoxia, Fetal Growth and Developmental Origins of Health and Disease. , 2006, , 219-224.		1
218	Response: Fetal growth and spontaneous preterm birth in high-altitude pregnancy: A systematic review, meta-analysis, and meta-regression. International Journal of Gynecology and Obstetrics, 2021, 155, 562-562.	1.0	1
219	Relationship between Androstenedione-Induced Myometrial Contractions and Platelet-Activating Factor Acetylhydrolase in Late Gestation in Pregnant Rhesus Monkeys1. Biology of Reproduction, 1997, 56, 247-252.	1.2	0
220	Inhibitory Effect of Iloprost on the Contractility of Lower Uterine Segment Myometrium From Rhesus Monkey in Normal-Term and Androstenedione-Induced Preterm Labor. Journal of the Society for Gynecologic Investigation, 2000, 7, 167-169.	1.9	0
221	The effects of pregnancy on the cardiovascular response to acute systemic isocapnic hypoxia in conscious sheep. BJOG: an International Journal of Obstetrics and Gynaecology, 2005, 112, 889-896.	1.1	0
222	Last Word on Point:Counterpoint: High altitude is/is not for the birds!. Journal of Applied Physiology, 2011, 111, 1526-1526.	1.2	0
223	Mind the gap: fetal physiology from bench to bedside. Acta Obstetrica Et Gynecologica Scandinavica, 2016, 95, 617-620.	1.3	0
224	At the heart of accelerated old matter. Journal of Physiology, 2017, 595, 1009-1010.	1.3	0
225	Neural Regulation of Blood Pressure During Fetal and Newborn Life. , 2017, , 573-584.e4.		0
226	Fatty vessels shed tonnes on programmed cardiovascular risk. Journal of Physiology, 2019, 597, 5317-5318.	1.3	0
227	Neonatal glucocorticoid overexposure alters cardiovascular function in young adult horses in a sex-linked manner. Journal of Developmental Origins of Health and Disease, 2021, 12, 309-318.	0.7	0
228	Working towards precision medicine in developmental programming. Pediatric Research, 2021, 89, 1606-1607.	1.1	0
229	Metformin Exposure <i>in utero</i> Programmes Hypertension in a Sex-Specific Manner in Adult Offspring of Obese Mice. FASEB Journal, 2022, 36, .	0.2	0