

Dino A Giussani

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224
papers

6,825
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46
h-index

70
g-index

231
ext. papers

7,533
ext. citations

4.8
avg, IF

5.99
L-index

#	Paper	IF	Citations
224	Intrauterine programming of physiological systems: causes and consequences. <i>Physiology</i> , 2006 , 21, 29-37	3.78	311
223	Afferent and efferent components of the cardiovascular reflex responses to acute hypoxia in term fetal sheep. <i>Journal of Physiology</i> , 1993 , 461, 431-49	3.9	262
222	Developmental programming of cardiovascular dysfunction by prenatal hypoxia and oxidative stress. <i>PLoS ONE</i> , 2012 , 7, e31017	3.7	190
221	The fetal brain sparing response to hypoxia: physiological mechanisms. <i>Journal of Physiology</i> , 2016 , 594, 1215-30	3.9	172
220	Effects of altitude versus economic status on birth weight and body shape at birth. <i>Pediatric Research</i> , 2001 , 49, 490-4	3.2	170
219	Endocrine and metabolic programming during intrauterine development. <i>Early Human Development</i> , 2005 , 81, 723-34	2.2	149
218	A comparative study of cardiovascular, endocrine and behavioural effects of betamethasone and dexamethasone administration to fetal sheep. <i>Journal of Physiology</i> , 1997 , 499 (Pt 1), 217-26	3.9	137
217	Developmental programming of cardiovascular disease by prenatal hypoxia. <i>Journal of Developmental Origins of Health and Disease</i> , 2013 , 4, 328-37	2.4	121
216	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, 357-64	10.4	121
215	Reduced cystathionine γ -lyase and increased miR-21 expression are associated with increased vascular resistance in growth-restricted pregnancies: hydrogen sulfide as a placental vasodilator. <i>American Journal of Pathology</i> , 2013 , 182, 1448-58	5.8	106
214	Production of premature delivery in pregnant rhesus monkeys by androstenedione infusion. <i>Nature Medicine</i> , 1996 , 2, 443-8	50.5	105
213	Fetal cardiovascular reflex responses to hypoxaemia. <i>Fetal and Maternal Medicine Review</i> , 1994 , 6, 17-37		103
212	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, 5961-71	4.8	97
211	Melatonin and vitamin C increase umbilical blood flow via nitric oxide-dependent mechanisms. <i>Journal of Pineal Research</i> , 2010 , 49, 399-406	10.4	88
210	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, 351-66	3.9	87
209	In vitro validation of Doppler indices using blood and water. <i>Journal of Ultrasound in Medicine</i> , 1991 , 10, 305-8	2.9	84
208	Development of the ovine fetal cardiovascular defense to hypoxemia towards full term. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2006 , 291, H3023-34	5.2	80

207	The role of oxygen in prenatal growth: studies in the chick embryo. <i>Journal of Physiology</i> , 2007 , 585, 911-9	3.7	78
206	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, R2234-40	3.2	78
205	Improving pregnancy outcomes in humans through studies in sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 315, R1123-R1153	3.2	74
204	Maternal diet-induced obesity programs cardiovascular dysfunction in adult male mouse offspring independent of current body weight. <i>Endocrinology</i> , 2014 , 155, 3970-80	4.8	73
203	Local paracrine effects of estradiol are central to parturition in the rhesus monkey. <i>Nature Medicine</i> , 1998 , 4, 456-9	50.5	71
202	Graduated effects of high-altitude hypoxia and highland ancestry on birth size. <i>Pediatric Research</i> , 2013 , 74, 633-8	3.2	70
201	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.e24-34	6.4	66
200	Ascorbate prevents placental oxidative stress and enhances birth weight in hypoxic pregnancy in rats. <i>Journal of Physiology</i> , 2012 , 590, 1377-87	3.9	65
199	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, 649-60	3.9	58
198	Prenatal hypoxia independent of undernutrition promotes molecular markers of insulin resistance in adult offspring. <i>FASEB Journal</i> , 2011 , 25, 420-7	0.9	57
197	Regulation of 11 beta-hydroxysteroid dehydrogenase type 2 activity in ovine placenta by fetal cortisol. <i>Journal of Endocrinology</i> , 2002 , 172, 527-34	4.7	57
196	Maternal diet-induced obesity programmes cardiac dysfunction in male mice independently of post-weaning diet. <i>Cardiovascular Research</i> , 2018 , 114, 1372-1384	9.9	56
195	Vitamin C prevents intrauterine programming of in vivo cardiovascular dysfunction in the rat. <i>Circulation Journal</i> , 2013 , 77, 2604-11	2.9	56
194	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, R1676-84	3.2	55
193	Plasma adrenocorticotropin and cortisol concentrations during acute hypoxemia after a reversible period of adverse intrauterine conditions in the ovine fetus during late gestation. <i>Endocrinology</i> , 2001 , 142, 589-98	4.8	54
192	Carotid endarterectomy impairs blood pressure homeostasis by reducing the physiologic baroreflex reserve. <i>Journal of Vascular Surgery</i> , 2005 , 41, 631-7	3.5	53
191	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	3.9	53
190	The effects of birth weight on basal cardiovascular function in pigs at 3 months of age. <i>Journal of Physiology</i> , 2002 , 539, 969-78	3.9	52

189	Fetal in vivo continuous cardiovascular function during chronic hypoxia. <i>Journal of Physiology</i> , 2016 , 594, 1247-64	3.9	50
188	Redox modulation of the fetal cardiovascular defence to hypoxaemia. <i>Journal of Physiology</i> , 2010 , 588, 4235-47	3.9	49
187	Developmental changes in plasma catecholamine concentrations during normoxia and acute hypoxia in the chick embryo. <i>Journal of Physiology</i> , 2000 , 527 Pt 3, 593-9	3.9	49
186	Neuropeptide Y in the sheep fetus: effects of acute hypoxemia and dexamethasone during late gestation. <i>Endocrinology</i> , 2000 , 141, 3976-82	4.8	49
185	Antioxidant treatment alters peripheral vascular dysfunction induced by postnatal glucocorticoid therapy in rats. <i>PLoS ONE</i> , 2010 , 5, e9250	3.7	49
184	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, 673-88	3.9	48
183	Physiological comparison of spontaneous and positive-pressure ventilation in laryngotracheal stenosis. <i>British Journal of Anaesthesia</i> , 2008 , 101, 419-23	5.4	47
182	Effects of dexamethasone on the glucogenic capacity of fetal, pregnant, and non-pregnant adult sheep. <i>Journal of Endocrinology</i> , 2007 , 192, 67-73	4.7	46
181	Cardiovascular and endocrine responses to acute hypoxaemia during and following dexamethasone infusion in the ovine fetus. <i>Journal of Physiology</i> , 2003 , 549, 271-87	3.9	46
180	Plasma leptin concentration in fetal sheep during late gestation: ontogeny and effect of glucocorticoids. <i>Endocrinology</i> , 2002 , 143, 1166-73	4.8	46
179	Divergence of mechanistic pathways mediating cardiovascular aging and developmental programming of cardiovascular disease. <i>FASEB Journal</i> , 2016 , 30, 1968-75	0.9	46
178	Heart disease link to fetal hypoxia and oxidative stress. <i>Advances in Experimental Medicine and Biology</i> , 2014 , 814, 77-87	3.6	45
177	The fetal llama versus the fetal sheep: different strategies to withstand hypoxia. <i>High Altitude Medicine and Biology</i> , 2003 , 4, 193-202	1.9	45
176	Adrenergic and vasopressinergic contributions to the cardiovascular response to acute hypoxaemia in the llama fetus. <i>Journal of Physiology</i> , 1999 , 515 (Pt 1), 233-41	3.9	44
175	Hypoxia, AMPK activation and uterine artery vasoreactivity. <i>Journal of Physiology</i> , 2016 , 594, 1357-69	3.9	42
174	Effect of carotid denervation on plasma vasopressin levels during acute hypoxia in the late-gestation sheep fetus. <i>Journal of Physiology</i> , 1994 , 477, 81-7	3.9	42
173	Induction of controlled hypoxic pregnancy in large mammalian species. <i>Physiological Reports</i> , 2015 , 3, e12614	2.6	40
172	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, R678-85	3.2	40

171	Melatonin rescues cardiovascular dysfunction during hypoxic development in the chick embryo. <i>Journal of Pineal Research</i> , 2016 , 60, 16-26	10.4	40
170	Adrenocortical responsiveness is blunted in twin relative to singleton ovine fetuses. <i>Journal of Physiology</i> , 2004 , 557, 1021-32	3.9	39
169	Statin treatment depresses the fetal defence to acute hypoxia via increasing nitric oxide bioavailability. <i>Journal of Physiology</i> , 2012 , 590, 323-34	3.9	38
168	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	5.8	37
167	Coenzyme Q10 prevents accelerated cardiac aging in a rat model of poor maternal nutrition and accelerated postnatal growth. <i>Molecular Metabolism</i> , 2013 , 2, 480-90	8.8	36
166	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	4.1	36
165	Diagnosis of laryngotracheal stenosis from routine pulmonary physiology using the expiratory disproportion index. <i>Laryngoscope</i> , 2013 , 123, 3099-104	3.6	36
164	The vulnerable developing brain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011 , 108, 2641-2	11.5	36
163	Adverse intrauterine conditions diminish the fetal defense against acute hypoxia by increasing nitric oxide activity. <i>Circulation</i> , 2002 , 106, 2278-83	16.7	36
162	Postnatal cardiovascular function after manipulation of fetal growth by embryo transfer in the horse. <i>Journal of Physiology</i> , 2003 , 547, 67-76	3.9	36
161	Remote ischemic preconditioning in percutaneous coronary revascularization: a double-blind randomized controlled clinical trial. <i>Asian Cardiovascular and Thoracic Annals</i> , 2012 , 20, 548-54	0.6	35
160	Melatonin modulates the fetal cardiovascular defense response to acute hypoxia. <i>Journal of Pineal Research</i> , 2015 , 59, 80-90	10.4	34
159	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, R90-9	3.2	34
158	Xanthine oxidase and the fetal cardiovascular defence to hypoxia in late gestation ovine pregnancy. <i>Journal of Physiology</i> , 2014 , 592, 475-89	3.9	33
157	Carbon monoxide: a novel pulmonary artery vasodilator in neonatal llamas of the Andean altiplano. <i>Cardiovascular Research</i> , 2008 , 77, 197-201	9.9	33
156	Low doses of dexamethasone suppress pituitary-adrenal function but augment the glyceimic response to acute hypoxemia in fetal sheep during late gestation. <i>Pediatric Research</i> , 2000 , 47, 684-91	3.2	33
155	Intervention against hypertension in the next generation programmed by developmental hypoxia. <i>PLoS Biology</i> , 2019 , 17, e2006552	9.7	31
154	Antioxidant treatment improves neonatal survival and prevents impaired cardiac function at adulthood following neonatal glucocorticoid therapy. <i>Journal of Physiology</i> , 2013 , 591, 5083-93	3.9	31

153	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, H2351-60	5.2	31
152	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, R1156-63 ³⁻²		30
151	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, 283-91	3.9	30
150	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, 800-5	4.8	29
149	Enhanced umbilical blood flow during acute hypoxemia after chronic umbilical cord compression: a role for nitric oxide. <i>Circulation</i> , 2003 , 108, 331-5	16.7	29
148	A role for xanthine oxidase in the control of fetal cardiovascular function in late gestation sheep. <i>Journal of Physiology</i> , 2012 , 590, 1825-37	3.9	28
147	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	1.9	28
146	Maternal exercise intervention in obese pregnancy improves the cardiovascular health of the adult male offspring. <i>Molecular Metabolism</i> , 2018 , 16, 35-44	8.8	28
145	Preeclampsia link to gestational hypoxia. <i>Journal of Developmental Origins of Health and Disease</i> , 2019 , 10, 322-333	2.4	27
144	Changes in adrenocorticotropin and cortisol responsiveness after repeated partial umbilical cord occlusions in the late gestation ovine fetus. <i>Endocrinology</i> , 1997 , 138, 259-63	4.8	27
143	Quantifying the physiology of laryngotracheal stenosis: changes in pulmonary dynamics in response to graded extrathoracic resistive loading. <i>Laryngoscope</i> , 2007 , 117, 581-8	3.6	27
142	Development of cardiovascular function in the horse fetus. <i>Journal of Physiology</i> , 2005 , 565, 1019-30	3.9	27
141	Acute hypoxia increases S100beta protein in association with blood flow redistribution away from peripheral circulations in fetal sheep. <i>Pediatric Research</i> , 2005 , 58, 179-84	3.2	27
140	A novel method for controlled and reversible long term compression of the umbilical cord in fetal sheep. <i>Journal of Physiology</i> , 2001 , 535, 217-29	3.9	27
139	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, 587-96	3.9	27
138	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, R73-83	3.2	27
137	Morphological and functional alterations in the aorta of the chronically hypoxic fetal rat. <i>Journal of Vascular Research</i> , 2012 , 49, 50-8	1.9	26
136	Maturation of pancreatic beta-cell function in the fetal horse during late gestation. <i>Journal of Endocrinology</i> , 2005 , 186, 467-73	4.7	26

135	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	6.4	26
134	Oxidative stress in the developing brain: effects of postnatal glucocorticoid therapy and antioxidants in the rat. <i>PLoS ONE</i> , 2011 , 6, e21142	3.7	25
133	Cardiac and vascular disease prior to hatching in chick embryos incubated at high altitude. <i>Journal of Developmental Origins of Health and Disease</i> , 2010 , 1, 60-6	2.4	25
132	Evolving in thin air--lessons from the llama fetus in the altiplano. <i>Respiratory Physiology and Neurobiology</i> , 2007 , 158, 298-306	2.8	25
131	Effects of dexamethasone on the uterine and umbilical vascular beds during basal and hypoxemic conditions in sheep. <i>American Journal of Obstetrics and Gynecology</i> , 2004 , 190, 825-35	6.4	25
130	Development of baroreflex and endocrine responses to hypotensive stress in newborn foals and lambs. <i>Pflugers Archiv European Journal of Physiology</i> , 2005 , 450, 298-306	4.6	25
129	Opposing effects of androgen and estrogen on pituitary-adrenal function in nonpregnant primates. <i>Biology of Reproduction</i> , 2000 , 62, 1445-51	3.9	25
128	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, 1196-201	6.4	25
127	Allopurinol reduces oxidative stress in the ovine fetal cardiovascular system after repeated episodes of ischemia-reperfusion. <i>Pediatric Research</i> , 2010 , 68, 374-80	3.2	23
126	Altered autonomic control of heart rate variability in the chronically hypoxic fetus. <i>Journal of Physiology</i> , 2018 , 596, 6105-6119	3.9	22
125	Effects of cortisol and dexamethasone on insulin signalling pathways in skeletal muscle of the ovine fetus during late gestation. <i>PLoS ONE</i> , 2012 , 7, e52363	3.7	22
124	Sex differences in the ovine fetal cortisol response to stress. <i>Pediatric Research</i> , 2011 , 69, 118-22	3.2	22
123	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, E311-9	6	22
122	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	3.9	21
121	Investigation of the use of antioxidants to diminish the adverse effects of postnatal glucocorticoid treatment on mortality and cardiac development. <i>Neonatology</i> , 2010 , 98, 73-83	4	21
120	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, R954-64	3.2	21
119	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, 2564-70	4.8	21
118	Noninvasive high-intensity focused ultrasound treatment of twin-twin transfusion syndrome: A preliminary in vivo study. <i>Science Translational Medicine</i> , 2016 , 8, 347ra95	17.5	20

117	Sildenafil therapy for fetal cardiovascular dysfunction during hypoxic development: studies in the chick embryo. <i>Journal of Physiology</i> , 2017 , 595, 1563-1573	3.9	20
116	Fetal and postnatal pulmonary circulation in the Alto Andino. <i>Placenta</i> , 2011 , 32 Suppl 2, S100-3	3.4	20
115	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 labor. <i>Biology of Reproduction</i> , 1997 , 56, 557-62	3.9	20
114	Regional brain blood flow and cerebral hemispheric oxygen consumption during acute hypoxaemia in the llama fetus. <i>Journal of Physiology</i> , 2002 , 538, 975-83	3.9	20
113	Cardiovascular function in term fetal sheep conceived, gestated and studied in the hypobaric hypoxia of the Andean altiplano. <i>Journal of Physiology</i> , 2016 , 594, 1231-45	3.9	20
112	High-altitude hypoxia and echocardiographic indices of pulmonary hypertension in male and female chickens at adulthood. <i>Circulation Journal</i> , 2014 , 78, 1459-64	2.9	18
111	Localization and control of expression of VEGF-A and the VEGFR-2 receptor in fetal sheep intestines. <i>Pediatric Research</i> , 2008 , 63, 143-8	3.2	18
110	Alpha-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, R2004-10	3.2	18
109	Maternal Allopurinol Prevents Cardiac Dysfunction in Adult Male Offspring Programmed by Chronic Hypoxia During Pregnancy. <i>Hypertension</i> , 2018 , 72, 971-978	8.5	18
108	First evidence that intrinsic fetal heart rate variability exists and is affected by hypoxic pregnancy. <i>Journal of Physiology</i> , 2020 , 598, 249-263	3.9	17
107	High altitude hypoxia and blood pressure dysregulation in adult chickens. <i>Journal of Developmental Origins of Health and Disease</i> , 2013 , 4, 69-76	2.4	17
106	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, 267-76	3.9	17
105	Daily and hourly temporal association between delta4-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, 1050-5	6.4	17
104	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	6.4	17
103	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, 459-66	3.4	16
102	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, R776-83	3.2	16
101	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.		16
100	Translatable mitochondria-targeted protection against programmed cardiovascular dysfunction. <i>Science Advances</i> , 2020 , 6, eabb1929	14.3	16

99	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, 3798-805	5.6	15
98	Development of baroreflex function and hind limb vascular reactivity in the horse fetus. <i>Journal of Physiology</i> , 2006 , 572, 155-64	3.9	15
97	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, 1467-71	6.4	15
96	The role of neuropeptide Y in the ovine fetal cardiovascular response to reduced oxygenation. <i>Journal of Physiology</i> , 2003 , 546, 891-901	3.9	15
95	The heme oxygenase-carbon monoxide system in the regulation of cardiorespiratory function at high altitude. <i>Respiratory Physiology and Neurobiology</i> , 2012 , 184, 186-91	2.8	14
94	The oxytocin antagonist atosiban prevents androstenedione-induced myometrial contractions in the chronically instrumented, pregnant rhesus monkey. <i>Endocrinology</i> , 1996 , 137, 3302-7	4.8	14
93	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	3.9	14
92	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, 2510-6	16.7	14
91	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 (Pt 1), 249-55	3.9	14
90	Fetal Oxygen and Glucose Consumption in Human Pregnancy Complicated by Fetal Growth Restriction. <i>Hypertension</i> , 2020 , 75, 748-754	8.5	14
89	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	3.9	13
88	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	4.8	13
87	Antenatal allopurinol reduces hippocampal brain damage after acute birth asphyxia in late gestation fetal sheep. <i>Reproductive Sciences</i> , 2014 , 21, 251-9	3	13
86	Propofol anaesthesia for surgery in late gestation pony mares. <i>Veterinary Anaesthesia and Analgesia</i> , 2001 , 28, 177-187	1.3	13
85	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, 595-602	1.8	13
84	Effect of androstenedione administration on the maternal hypothalamo-pituitary-adreno-placental axis in the pregnant rhesus monkey. <i>Endocrinology</i> , 1996 , 137, 608-14	4.8	12
83	Incidence and Significance of Myocardial Injury After Surgical Treatment of Head and Neck Cancer. <i>Laryngoscope</i> , 2007 , 117, 1581-1587	3.6	12
82	Pituitary-adrenal responses to acute hypoxemia during and after maternal dexamethasone treatment in sheep. <i>Pediatric Research</i> , 2004 , 56, 864-72	3.2	12

81	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, E456-65	6	12
80	Developmental changes in pulmonary and renal angiotensin-converting enzyme concentration in fetal and neonatal horses. <i>Reproduction, Fertility and Development</i> , 2002 , 14, 413-7	1.8	12
79	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 axis. <i>Endocrinology</i> , 1998 , 139, 2803-10	4.8	12
78	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, 4621-8	4.8	12
77	Glucocorticoid Maturation of Fetal Cardiovascular Function. <i>Trends in Molecular Medicine</i> , 2020 , 26, 170-184	18.5	12
76	Nitric oxide reduces vagal baroreflex sensitivity in the late gestation fetus. <i>Pediatric Research</i> , 2009 , 65, 269-73	3.2	11
75	Role of the 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, R1153-60	3.2	11
74	Calcitonin gene-related peptide contributes to the umbilical haemodynamic defence response to acute hypoxaemia. <i>Journal of Physiology</i> , 2005 , 563, 309-17	3.9	11
73	Maternal Dexamethasone Treatment Alters Tissue and Circulating Components of the Renin-Angiotensin System in the Pregnant Ewe and Fetus. <i>Endocrinology</i> , 2015 , 156, 3038-46	4.8	10
72	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	3.9	10
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