

Abigail Fowden

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239
papers

12,207
citations

56
h-index

100
g-index

244
ext. papers

13,507
ext. citations

4.1
avg. IF

6.54
L-index

#	Paper	IF	Citations
239	Placental-specific IGF-II is a major modulator of placental and fetal growth. <i>Nature</i> , 2002 , 417, 945-8	50.4	825
238	Endocrine mechanisms of intrauterine programming. <i>Reproduction</i> , 2004 , 127, 515-26	3.8	346
237	Glucocorticoids and the preparation for life after birth: are there long-term consequences of the life insurance?. <i>Proceedings of the Nutrition Society</i> , 1998 , 57, 113-22	2.9	340
236	Intrauterine programming of physiological systems: causes and consequences. <i>Physiology</i> , 2006 , 21, 29-37	37.8	311
235	Placental Origins of Chronic Disease. <i>Physiological Reviews</i> , 2016 , 96, 1509-65	47.9	310
234	Regulation of supply and demand for maternal nutrients in mammals by imprinted genes. <i>Journal of Physiology</i> , 2003 , 547, 35-44	3.9	298
233	The insulin-like growth factors and feto-placental growth. <i>Placenta</i> , 2003 , 24, 803-12	3.4	283
232	Adaptation of nutrient supply to fetal demand in the mouse involves interaction between the Igf2 gene and placental transporter systems. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2005 , 102, 19219-24	11.5	273
231	Placental-specific insulin-like growth factor 2 (Igf2) regulates the diffusional exchange characteristics of the mouse placenta. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2004 , 101, 8204-8	11.5	245
230	The placenta: a multifaceted, transient organ. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2015 , 370, 20140066	5.8	244
229	Thyroid hormones in fetal growth and parturition maturation. <i>Journal of Endocrinology</i> , 2014 , 221, R87-R103	19.3	232
228	Programming placental nutrient transport capacity. <i>Journal of Physiology</i> , 2006 , 572, 5-15	3.9	217
227	The placenta and intrauterine programming. <i>Journal of Neuroendocrinology</i> , 2008 , 20, 439-50	3.8	194
226	Placental efficiency and adaptation: endocrine regulation. <i>Journal of Physiology</i> , 2009 , 587, 3459-72	3.9	193
225	Endocrine regulation of fetal growth. <i>Reproduction, Fertility and Development</i> , 1995 , 7, 351-63	1.8	191
224	Imprinted genes, placental development and fetal growth. <i>Hormone Research in Paediatrics</i> , 2006 , 65 Suppl 3, 50-8	3.3	155
223	Adaptations in placental phenotype support fetal growth during undernutrition of pregnant mice. <i>Journal of Physiology</i> , 2010 , 588, 527-38	3.9	149

222	Endocrine and metabolic programming during intrauterine development. <i>Early Human Development</i> , 2005 , 81, 723-34	2.2	149
221	Adaptations in placental nutrient transfer capacity to meet fetal growth demands depend on placental size in mice. <i>Journal of Physiology</i> , 2008 , 586, 4567-76	3.9	135
220	Intra-uterine programming of the endocrine pancreas. <i>British Medical Bulletin</i> , 2001 , 60, 123-42	5.4	125
219	Studies on equine prematurity 2: Post natal adrenocortical activity in relation to plasma adrenocorticotrophic hormone and catecholamine levels in term and premature foals. <i>Equine Veterinary Journal</i> , 1984 , 16, 278-86	2.4	112
218	Thyroid hormone drives fetal cardiomyocyte maturation. <i>FASEB Journal</i> , 2012 , 26, 397-408	0.9	111
217	The effects of cortisol on the growth rate of the sheep fetus during late gestation. <i>Journal of Endocrinology</i> , 1996 , 151, 97-105	4.7	110
216	Review: The placenta and developmental programming: balancing fetal nutrient demands with maternal resource allocation. <i>Placenta</i> , 2012 , 33 Suppl, S23-7	3.4	109
215	Endocrine regulation of fetoplacental growth. <i>Hormone Research</i> , 2009 , 72, 257-65		106
214	Studies on equine prematurity 6: Guidelines for assessment of foal maturity. <i>Equine Veterinary Journal</i> , 1984 , 16, 300-2	2.4	105
213	The prenatal development and glucocorticoid control of brush-border hydrolases in the pig small intestine. <i>Pediatric Research</i> , 1995 , 37, 207-12	3.2	104
212	An obesogenic diet during mouse pregnancy modifies maternal nutrient partitioning and the fetal growth trajectory. <i>FASEB Journal</i> , 2013 , 27, 3928-37	0.9	100
211	Imprinted genes and the epigenetic regulation of placental phenotype. <i>Progress in Biophysics and Molecular Biology</i> , 2011 , 106, 281-8	4.7	95
210	Hormones as epigenetic signals in developmental programming. <i>Experimental Physiology</i> , 2009 , 94, 607-25	2.5	92
209	The effects of cortisol on hepatic and renal gluconeogenic enzyme activities in the sheep fetus during late gestation. <i>Journal of Endocrinology</i> , 1993 , 137, 213-22	4.7	89
208	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, 351-68	3.9	87
207	Oxidative stress and altered lipid homeostasis in the programming of offspring fatty liver by maternal obesity. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014 , 307, R26-34	3.2	85
206	Placental-specific Igf2 deficiency alters developmental adaptations to undernutrition in mice. <i>Endocrinology</i> , 2011 , 152, 3202-12	4.8	85
205	The hungry fetus? Role of leptin as a nutritional signal before birth. <i>Journal of Physiology</i> , 2009 , 587, 1145-52	3.9	81

204	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
203	Prepartum adrenocortical maturation in the fetal foal: responses to ACTH. <i>Journal of Endocrinology</i> , 1994 , 142, 417-25	4.7	77
202	Disproportional effects of Igf2 knockout on placental morphology and diffusional exchange characteristics in the mouse. <i>Journal of Physiology</i> , 2008 , 586, 5023-32	3.9	73
201	The effects of birth weight and postnatal growth patterns on fat depth and plasma leptin concentrations in juvenile and adult pigs. <i>Journal of Physiology</i> , 2004 , 558, 295-304	3.9	73
200	Insulin-like growth factor-II messenger ribonucleic acid expression in fetal tissues of the sheep during late gestation: effects of cortisol. <i>Endocrinology</i> , 1993 , 132, 2083-9	4.8	73
199	The ontogeny of hepatic growth hormone receptor and insulin-like growth factor I gene expression in the sheep fetus during late gestation: developmental regulation by cortisol. <i>Endocrinology</i> , 1996 , 137, 1650-7	4.8	70
198	Insulin secretion and carbohydrate metabolism during pregnancy in the mare. <i>Equine Veterinary Journal</i> , 1984 , 16, 239-46	2.4	69
197	Adrenal cortex of fetal lamb: changes after hypophysectomy and effects of Synacthen on cytoarchitecture and secretory activity. <i>Quarterly Journal of Experimental Physiology (Cambridge, England)</i> , 1983 , 68, 15-27		68
196	Glucocorticoids as regulatory signals during intrauterine development. <i>Experimental Physiology</i> , 2015 , 100, 1477-87	2.4	66
195	Developmental regulation of gluconeogenesis in the sheep fetus during late gestation. <i>Journal of Physiology</i> , 1998 , 508 (Pt 3), 937-47	3.9	66
194	The effects of insulin on the growth rate of the sheep fetus during late gestation. <i>Quarterly Journal of Experimental Physiology (Cambridge, England)</i> , 1989 , 74, 703-14		66
193	Placental phenotype and the insulin-like growth factors: resource allocation to fetal growth. <i>Journal of Physiology</i> , 2017 , 595, 5057-5093	3.9	65
192	Maternal-fetal resource allocation: co-operation and conflict. <i>Placenta</i> , 2012 , 33 Suppl 2, e11-5	3.4	63
191	Exercise rescues obese mothers' insulin sensitivity, placental hypoxia and male offspring insulin sensitivity. <i>Scientific Reports</i> , 2017 , 7, 44650	4.9	62
190	The role of insulin in fetal growth. <i>Early Human Development</i> , 1992 , 29, 177-81	2.2	62
189	The effect of birth weight on glucose tolerance in pigs at 3 and 12 months of age. <i>Diabetologia</i> , 2002 , 45, 1247-54	10.3	61
188	Maternal corticosterone regulates nutrient allocation to fetal growth in mice. <i>Journal of Physiology</i> , 2012 , 590, 5529-40	3.9	60
187	Influence of cortisol on adipose tissue development in the fetal sheep during late gestation. <i>Journal of Endocrinology</i> , 2003 , 176, 23-30	4.7	59

186	Developmental control of iodothyronine deiodinases by cortisol in the ovine fetus and placenta near term. <i>Endocrinology</i> , 2006 , 147, 5988-94	4.8	58
185	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
184	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
183	Developmental adaptations to increased fetal nutrient demand in mouse genetic models of Igf2-mediated overgrowth. <i>FASEB Journal</i> , 2011 , 25, 1737-45	0.9	56
182	Review: Endocrine regulation of placental phenotype. <i>Placenta</i> , 2015 , 36 Suppl 1, S50-9	3.4	55
181	Placental phenotype and resource allocation to fetal growth are modified by the timing and degree of hypoxia during mouse pregnancy. <i>Journal of Physiology</i> , 2016 , 594, 1341-56	3.9	53
180	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
179	The effects of pancreatectomy on the rates of glucose utilization, oxidation and production in the sheep fetus. <i>Quarterly Journal of Experimental Physiology (Cambridge, England)</i> , 1988 , 73, 973-84		52
178	Hormonal and nutritional drivers of intrauterine growth. <i>Current Opinion in Clinical Nutrition and Metabolic Care</i> , 2013 , 16, 298-309	3.8	50
177	Insulin sensitivity in juvenile and adult Large White pigs of low and high birthweight. <i>Diabetologia</i> , 2004 , 47, 340-8	10.3	50
176	Dietary composition programmes placental phenotype in mice. <i>Journal of Physiology</i> , 2011 , 589, 3659-70	3.9	49
175	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
174	Glucocorticoid programming of intrauterine development. <i>Domestic Animal Endocrinology</i> , 2016 , 56 Suppl, S121-32	2.3	49
173	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
172	The Endocrinology of equine parturition. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 2008 , 116, 393-403	2.3	47
171	Restriction of placental growth in sheep impairs insulin secretion but not sensitivity before birth. <i>Journal of Physiology</i> , 2007 , 584, 935-49	3.9	47
170	Blood chemistry, nutrient metabolism, and organ weights in fetal and newborn calves derived from in vitro-produced bovine embryos. <i>Biology of Reproduction</i> , 2000 , 62, 1495-504	3.9	47
169	Placental mitochondria adapt developmentally and in response to hypoxia to support fetal growth. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019 , 116, 1621-1626	11.5	47

168	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
167	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
166	Plasma leptin concentration in fetal sheep during late gestation: ontogeny and effect of glucocorticoids. <i>Endocrinology</i> , 2002 , 143, 1166-73	4.8	46
165	Comparative Development of the Pituitary-Adrenal Axis in the Fetal Foal and Lamb. <i>Reproduction in Domestic Animals</i> , 1995 , 30, 170-177	1.6	45
164	The nutritional regulation of plasma prostaglandin E concentrations in the fetus and pregnant ewe during late gestation. <i>Journal of Physiology</i> , 1987 , 394, 1-12	3.9	45
163	The effect of birth weight on hypothalamo-pituitary-adrenal axis function in juvenile and adult pigs. <i>Journal of Physiology</i> , 2003 , 547, 107-16	3.9	45
162	Effects of manipulating intrauterine growth on post natal adrenocortical development and other parameters of maturity in neonatal foals. <i>Equine Veterinary Journal</i> , 2004 , 36, 616-21	2.4	44
161	The effects of cortisol on the binucleate cell population in the ovine placenta during late gestation. <i>Placenta</i> , 2002 , 23, 451-8	3.4	44
160	The Residual Innate Lymphoid Cells in NFIL3-Deficient Mice Support Suboptimal Maternal Adaptations to Pregnancy. <i>Frontiers in Immunology</i> , 2016 , 7, 43	8.4	44
159	Environmental regulation of placental phenotype: implications for fetal growth. <i>Reproduction, Fertility and Development</i> , 2011 , 24, 80-96	1.8	43
158	Hypoxia, AMPK activation and uterine artery vasoreactivity. <i>Journal of Physiology</i> , 2016 , 594, 1357-69	3.9	42
157	Effect of cortisol on blood pressure and the renin-angiotensin system in fetal sheep during late gestation. <i>Journal of Physiology</i> , 2000 , 526 Pt 1, 167-76	3.9	42
156	Separate sites and mechanisms for placental transport of calcium, iron and glucose in the equine placenta. <i>Placenta</i> , 2000 , 21, 635-45	3.4	42
155	Effects of arginine and glucose on the release of insulin in the sheep fetus. <i>Journal of Endocrinology</i> , 1980 , 85, 121-9	4.7	42
154	Progestagen profiles during the last trimester of gestation in Thoroughbred mares with normal or compromised pregnancies. <i>Theriogenology</i> , 2005 , 63, 1844-56	2.8	41
153	Localisation of glucose transport in the ruminant placenta: implications for sequential use of transporter isoforms. <i>Placenta</i> , 2005 , 26, 626-40	3.4	41
152	Plasma progestagens in the mare, fetus and newborn foal. <i>Journal of Reproduction and Fertility Supplement</i> , 1991 , 44, 517-28		40
151	Intestinal macromolecule absorption in the fetal pig after infusion of colostrum in utero. <i>Pediatric Research</i> , 1999 , 45, 595-602	3.2	40

150	A Western-style obesogenic diet alters maternal metabolic physiology with consequences for fetal nutrient acquisition in mice. <i>Journal of Physiology</i> , 2017 , 595, 4875-4892	3.9	39
149	Ontogeny of uteroplacental progesterone production in pregnant mares during the second half of gestation. <i>Biology of Reproduction</i> , 2003 , 69, 540-8	3.9	39
148	Adrenocortical responsiveness is blunted in twin relative to singleton ovine fetuses. <i>Journal of Physiology</i> , 2004 , 557, 1021-32	3.9	39
147	Maternal and fetal genomes interplay through phosphoinositol 3-kinase(PI3K)-p110 signaling to modify placental resource allocation. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 11255-11260	11.5	38
146	The effects of thyroid hormones on oxygen and glucose metabolism in the sheep fetus during late gestation. <i>Journal of Physiology</i> , 1995 , 482 (Pt 1), 203-13	3.9	38
145	Studies on equine prematurity 3: Insulin secretion in the foal during the perinatal period. <i>Equine Veterinary Journal</i> , 1984 , 16, 286-91	2.4	38
144	Pancreatic beta-cell function in the fetal foal and mare. <i>Journal of Endocrinology</i> , 1980 , 87, 293-301	4.7	38
143	Differential effects of prenatal stress and glucocorticoid administration on postnatal growth and glucose metabolism in rats. <i>Journal of Endocrinology</i> , 2010 , 204, 319-29	4.7	37
142	Nutritional regulation of uteroplacental prostaglandin production and metabolism in pregnant ewes and mares during late gestation. <i>Experimental and Clinical Endocrinology and Diabetes</i> , 1994 , 102, 212-21	2.3	37
141	The effect of the nutritional state on uterine prostaglandin F metabolite concentrations in the pregnant ewe during late gestation. <i>Quarterly Journal of Experimental Physiology (Cambridge, England)</i> , 1983 , 68, 337-49		37
140	Functional significance and cortisol dependence of the gross morphology of ovine placentomes during late gestation. <i>Biology of Reproduction</i> , 2006 , 74, 137-45	3.9	36
139	Scanning electron microscopy of the microcotyledonary placenta of the horse (<i>Equus caballus</i>) in the latter half of gestation. <i>Placenta</i> , 2000 , 21, 565-74	3.4	36
138	Effects of adrenaline and amino acids on the release of insulin in the sheep fetus. <i>Journal of Endocrinology</i> , 1980 , 87, 113-21	4.7	36
137	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
136	Corticosterone alters materno-fetal glucose partitioning and insulin signalling in pregnant mice. <i>Journal of Physiology</i> , 2015 , 593, 1307-21	3.9	35
135	Role of leptin in the regulation of growth and carbohydrate metabolism in the ovine fetus during late gestation. <i>Journal of Physiology</i> , 2008 , 586, 2393-403	3.9	35
134	Developmental control of plasma leptin and adipose leptin messenger ribonucleic acid in the ovine fetus during late gestation: role of glucocorticoids and thyroid hormones. <i>Endocrinology</i> , 2007 , 148, 3750-9	4.8	35
133	Developmental expression analysis of thyroid hormone receptor isoforms reveals new insights into their essential functions in cardiac and skeletal muscles. <i>FASEB Journal</i> , 2001 , 15, 1367-76	0.9	35

132	Postnatal insulin secretion and sensitivity after manipulation of fetal growth by embryo transfer in the horse. <i>Journal of Endocrinology</i> , 2004 , 181, 459-67	4.7	34
131	The glucogenic capacity of the fetal pig: developmental regulation by cortisol. <i>Experimental Physiology</i> , 1995 , 80, 457-67	2.4	34
130	Placental metabolism: substrate requirements and the response to stress. <i>Reproduction in Domestic Animals</i> , 2016 , 51 Suppl 2, 25-35	1.6	33
129	Hypoxaemia-induced catecholamine secretion from adrenal chromaffin cells inhibits glucose-stimulated hyperinsulinaemia in fetal sheep. <i>Journal of Physiology</i> , 2012 , 590, 5439-47	3.9	33
128	Low doses of dexamethasone suppress pituitary-adrenal function but augment the glycaemic response to acute hypoxemia in fetal sheep during late gestation. <i>Pediatric Research</i> , 2000 , 47, 684-91	3.2	33
127	Immunohistochemical localisation of steroidogenic enzymes and phenylethanolamine-N-methyl-transferase (PNMT) in the adrenal gland of the fetal and newborn foal. <i>Equine Veterinary Journal</i> , 1995 , 27, 140-6	2.4	32
126	Endocrine adaptations in the foal over the perinatal period. <i>Equine Veterinary Journal</i> , 2012 , 44, 130-9	2.4	31
125	Ovine feto-placental metabolism. <i>Journal of Physiology</i> , 2004 , 554, 529-41	3.9	31
124	Insulin deficiency: effects on fetal growth and development. <i>Journal of Paediatrics and Child Health</i> , 1993 , 29, 6-11	1.3	31
123	The effects of streptozotocin on rates of glucose utilization, oxidation, and production in the sheep fetus. <i>Metabolism: Clinical and Experimental</i> , 1989 , 38, 30-7	12.7	31
122	Influence of maternal size on placental, fetal and postnatal growth in the horse. I. Development in utero. <i>Reproduction</i> , 2002 , 123, 445-53	3.8	31
121	The effects of maternal health and body condition on the endocrine responses of neonatal foals. <i>Equine Veterinary Journal</i> , 2008 , 40, 673-9	2.4	29
120	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
119	Role of cortisol in the ontogenic control of pulmonary and renal angiotensin-converting enzyme in fetal sheep near term. <i>Journal of Physiology</i> , 2000 , 526 Pt 2, 409-16	3.9	29
118	Developmental regulation of hepatic and renal gluconeogenic enzymes by thyroid hormones in fetal sheep during late gestation. <i>Journal of Physiology</i> , 2003 , 548, 941-7	3.9	28
117	Ontogenic and nutritionally induced changes in fetal metabolism in the horse. <i>Journal of Physiology</i> , 2000 , 528 Pt 1, 209-19	3.9	28
116	Activation of the adult mode of ovine growth hormone receptor gene expression by cortisol during late fetal development. <i>FASEB Journal</i> , 1999 , 13, 545-52	0.9	28
115	Development of insulin and proinsulin secretion in newborn pony foals. <i>Journal of Endocrinology</i> , 2004 , 181, 469-76	4.7	27

114	Development of cardiovascular function in the horse fetus. <i>Journal of Physiology</i> , 2005 , 565, 1019-30	3.9	27
113	The effects of cortisol on the concentration of glycogen in different tissues in the chronically catheterized fetal pig. <i>Quarterly Journal of Experimental Physiology (Cambridge, England)</i> , 1985 , 70, 23-35		27
112	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
111	The effects of pancreatectomy on the sheep fetus in utero. <i>Quarterly Journal of Experimental Physiology (Cambridge, England)</i> , 1984 , 69, 319-30		26
110	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
109	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
108	Effects of pancreatectomy on the growth and metabolite concentrations of the sheep fetus. <i>Journal of Endocrinology</i> , 1986 , 110, 225-31	4.7	25
107	The effects of intrafetal ACTH administration on the outcome of pregnancy in the mare. <i>Reproduction, Fertility and Development</i> , 1998 , 10, 359-67	1.8	24
106	Adrenal glands are essential for activation of glucogenesis during undernutrition in fetal sheep near term. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2011 , 300, E94-102	6	23
105	Control of growth hormone receptor and insulin-like growth factor-I expression by cortisol in ovine fetal skeletal muscle. <i>Journal of Physiology</i> , 2002 , 541, 581-9	3.9	23
104	Localisation of 15-hydroxy prostaglandin dehydrogenase (PGDH) and steroidogenic enzymes in the equine placenta. <i>Equine Veterinary Journal</i> , 1995 , 27, 334-9	2.4	23
103	Intravenous catheterisation of foetus and mare in late pregnancy: management and respiratory, circulatory and metabolic effects. <i>Equine Veterinary Journal</i> , 1992 , 24, 391-6	2.4	23
102	Endocrine regulation of tissue glucose-6-phosphatase activity in the fetal sheep during late gestation. <i>Endocrinology</i> , 1990 , 126, 2823-30	4.8	23
101	A physiological increase in maternal cortisol alters uteroplacental metabolism in the pregnant ewe. <i>Journal of Physiology</i> , 2016 , 594, 6407-6418	3.9	23
100	Proximity to Delivery Alters Insulin Sensitivity and Glucose Metabolism in Pregnant Mice. <i>Diabetes</i> , 2016 , 65, 851-60	0.9	22
99	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
98	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
97	Regulation of glucogenesis by thyroid hormones in fetal sheep during late gestation. <i>Journal of Endocrinology</i> , 2001 , 170, 461-9	4.7	22

96	Adrenocortical stimulation of stomach development in the prenatal pig. <i>Neonatology</i> , 1994 , 65, 378-89	4	22
95	Transcriptional regulation of insulin-like growth factor-II gene expression by cortisol in fetal sheep during late gestation. <i>Journal of Biological Chemistry</i> , 1998 , 273, 10586-93	5.4	21
94	Hypothyroidism in utero stimulates pancreatic beta cell proliferation and hyperinsulinaemia in the ovine fetus during late gestation. <i>Journal of Physiology</i> , 2017 , 595, 3331-3343	3.9	20
93	Adaptations in placental phenotype depend on route and timing of maternal dexamethasone administration in mice. <i>Biology of Reproduction</i> , 2013 , 89, 80	3.9	20
92	Equine Uteroplacental Metabolism at Mid- and Late Gestation. <i>Experimental Physiology</i> , 2000 , 85, 539-545	4	20
91	Studies on equine prematurity 1: Methodology. <i>Equine Veterinary Journal</i> , 1984 , 16, 275-8	2.4	20
90	Thyroid hormones and the mRNA of the GH receptor and IGFs in skeletal muscle of fetal sheep. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2002 , 282, E80-6	6	19
89	Control of ovine hepatic growth hormone receptor and insulin-like growth factor I by thyroid hormones in utero. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2000 , 278, E1166-74	6	19
88	Antenatal glucocorticoids prior to cesarean delivery at term. <i>JAMA Pediatrics</i> , 2014 , 168, 507-8	8.3	18
87	Pancreatic endocrine function in newborn pony foals after induced or spontaneous delivery at term. <i>Equine Veterinary Journal</i> , 2012 , 44, 30-7	2.4	18
86	Role of thyroid hormones in the developmental control of tissue glycogen in fetal sheep near term. <i>Experimental Physiology</i> , 2009 , 94, 1079-87	2.4	18
85	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
84	Fetal and maternal endocrine changes during the induction of parturition with the PGF analogue, cloprostenol, in chronically catheterized sows and fetuses. <i>Journal of Developmental Physiology</i> , 1983 , 5, 307-21		18
83	Leptin Matures Aspects of Lung Structure and Function in the Ovine Fetus. <i>Endocrinology</i> , 2016 , 157, 395-404	4.8	18
82	Endocrine interactions in the control of fetal growth. <i>Nestle Nutrition Institute Workshop Series</i> , 2013 , 74, 91-102	1.9	17
81	Glucocorticoid overexposure in neonatal life alters pancreatic beta-cell function in newborn foals. <i>Journal of Animal Science</i> , 2013 , 91, 104-10	0.7	17
80	Relationship between circulating tri-iodothyronine and cortisol in the perinatal period in the foal. <i>Journal of Reproduction and Fertility Supplement</i> , 1991 , 44, 619-26		17
79	Effects of hypothyroidism on the structure and mechanical properties of bone in the ovine fetus. <i>Journal of Endocrinology</i> , 2011 , 210, 189-98	4.7	16

78	Effects of maternal dietary manipulation during different periods of pregnancy on hepatic glucogenic capacity in fetal and pregnant rats near term. <i>Nutrition, Metabolism and Cardiovascular Diseases</i> , 2009 , 19, 555-62	4.5	16
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