Abigail Fowden

List of Publications by Year
in descending order

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240	14,956	22099	24179
papers	citations	59 h-index	110 g-index

246	246	246	9890
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Placental-specific IGF-II is a major modulator of placental and fetal growth. Nature, 2002, 417, 945-948.	13.7	961
2	Placental Origins of Chronic Disease. Physiological Reviews, 2016, 96, 1509-1565.	13.1	504
3	The placenta: a multifaceted, transient organ. Philosophical Transactions of the Royal Society B: Biological Sciences, 2015, 370, 20140066.	1.8	430
4	Glucocorticoids and the preparation for life after birth: are there long-term consequences of the life insurance?. Proceedings of the Nutrition Society, 1998, 57, 113-122.	0.4	407
5	Endocrine mechanisms of intrauterine programming. Reproduction, 2004, 127, 515-526.	1.1	386
6	Intrauterine Programming of Physiological Systems: Causes and Consequences. Physiology, 2006, 21, 29-37.	1.6	367
7	The Insulin-like Growth Factors and feto-placental Growth. Placenta, 2003, 24, 803-812.	0.7	335
8	Regulation of supply and demand for maternal nutrients in mammals by imprinted genes. Journal of Physiology, 2003, 547, 35-44.	1.3	328
9	Thyroid hormones in fetal growth and prepartum maturation. Journal of Endocrinology, 2014, 221, R87-R103.	1.2	309
10	Adaptation of nutrient supply to fetal demand in the mouse involves interaction between the Igf2 gene and placental transporter systems. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 19219-19224.	3.3	306
11	Placental-specific insulin-like growth factor 2 (Igf2) regulates the diffusional exchange characteristics of the mouse placenta. Proceedings of the National Academy of Sciences of the United States of America, 2004, 101, 8204-8208.	3.3	281
12	Programming placental nutrient transport capacity. Journal of Physiology, 2006, 572, 5-15.	1.3	254
13	Placental efficiency and adaptation: endocrine regulation. Journal of Physiology, 2009, 587, 3459-3472.	1.3	253
14	Endocrine regulation of fetal growth. Reproduction, Fertility and Development, 1995, 7, 351.	0.1	234
15	The Placenta and Intrauterine Programming. Journal of Neuroendocrinology, 2008, 20, 439-450.	1.2	223
16	Imprinted Genes, Placental Development and Fetal Growth. Hormone Research in Paediatrics, 2006, 65, 50-58.	0.8	203
17	Adaptations in placental phenotype support fetal growth during undernutrition of pregnant mice. Journal of Physiology, 2010, 588, 527-538.	1.3	177
18	Endocrine and metabolic programming during intrauterine development. Early Human Development, 2005, 81, 723-734.	0.8	167

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19	Adaptations in placental nutrient transfer capacity to meet fetal growth demands depend on placental size in mice. Journal of Physiology, 2008, 586, 4567-4576.	1.3	165
20	Intra-uterine programming of the endocrine pancreas. British Medical Bulletin, 2001, 60, 123-142.	2.7	147
21	Thyroid hormone drives fetal cardiomyocyte maturation. FASEB Journal, 2012, 26, 397-408.	0.2	139
22	Review: The placenta and developmental programming: Balancing fetal nutrient demands with maternal resource allocation. Placenta, 2012, 33, S23-S27.	0.7	134
23	Studies on equine prematurity 2: Post natal adrenocortical activity in relation to plasma adrenocorticotrophic hormone and catecholamine levels in term and premature foals. Equine Veterinary Journal, 1984, 16, 278-286.	0.9	125
24	An obesogenic diet during mouse pregnancy modifies maternal nutrient partitioning and the fetal growth trajectory. FASEB Journal, 2013, 27, 3928-3937.	0.2	123
25	Placental phenotype and the insulinâ€like growth factors: resource allocation to fetal growth. Journal of Physiology, 2017, 595, 5057-5093.	1.3	120
26	The Prenatal Development and Glucocorticoid Control of Brush-Border Hydrolases in the Pig Small Intestine. Pediatric Research, 1995, 37, 207-212.	1.1	119
27	Studies on equine prematurity 6: Guidelines for assessment of foal maturity. Equine Veterinary Journal, 1984, 16, 300-302.	0.9	117
28	Endocrine Regulation of Feto-Placental Growth. Hormone Research, 2009, 72, 257-265.	1.8	115
29	The effects of cortisol on the growth rate of the sheep fetus during late gestation. Journal of Endocrinology, 1996, 151, 97-105.	1.2	114
30	Imprinted genes and the epigenetic regulation of placental phenotype. Progress in Biophysics and Molecular Biology, 2011, 106, 281-288.	1.4	114
31	Hormones as epigenetic signals in developmental programming. Experimental Physiology, 2009, 94, 607-625.	0.9	109
32	Placental-Specific Igf2 Deficiency Alters Developmental Adaptations to Undernutrition in Mice. Endocrinology, 2011, 152, 3202-3212.	1.4	108
33	Oxidative stress and altered lipid homeostasis in the programming of offspring fatty liver by maternal obesity. American Journal of Physiology - Regulatory Integrative and Comparative Physiology, 2014, 307, R26-R34.	0.9	106
34	The hungry fetus? Role of leptin as a nutritional signal before birth. Journal of Physiology, 2009, 587, 1145-1152.	1.3	101
35	The effects of cortisol on hepatic and renal gluconeogenic enzyme activities in the sheep fetus during late gestation. Journal of Endocrinology, 1993, 137, 213-222.	1.2	99
36	Effects of prevailing hypoxaemia, acidaemia or hypoglycaemia upon the cardiovascular, endocrine and metabolic responses to acute hypoxaemia in the ovine fetus. Journal of Physiology, 2002, 540, 351-366.	1.3	94

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37	Prepartum adrenocortical maturation in the fetal foal: responses to ACTH1â€“24. Journal of Endocrinology, 1994, 142, 417-425.	1.2	90
38	The effects of birth weight and postnatal growth patterns on fat depth and plasma leptin concentrations in juvenile and adult pigs. Journal of Physiology, 2004, 558, 295-304.	1.3	89
39	Disproportional effects of Igf2 knockout on placental morphology and diffusional exchange characteristics in the mouse. Journal of Physiology, 2008, 586, 5023-5032.	1.3	89
40	Exercise rescues obese mothersâ€™ insulin sensitivity, placental hypoxia and male offspring insulin sensitivity. Scientific Reports, 2017, 7, 44650.	1.6	88
41	Development of the ovine fetal cardiovascular defense to hypoxemia towards full term. American Journal of Physiology - Heart and Circulatory Physiology, 2006, 291, H3023-H3034.	1.5	86
42	Glucocorticoids as regulatory signals during intrauterine development. Experimental Physiology, 2015, 100, 1477-1487.	0.9	85
43	Insulin-like growth factor-II messenger ribonucleic acid expression in fetal tissues of the sheep during late gestation: effects of cortisol.. Endocrinology, 1993, 132, 2083-2089.	1.4	84
44	Maternal-fetal resource allocation: Co-operation and conflict. Placenta, 2012, 33, e11-e15.	0.7	84
45	ADRENAL CORTEX OF FETAL LAMB: CHANGES AFTER HYPOPHYSECTOMY AND EFFECTS OF SYNACTHEN ON CYTOARCHITECTURE AND SECRETORY ACTIVITY. Quarterly Journal of Experimental Physiology (Cambridge, England), 1983, 68, 15-27.	1.0	80
46	Insulin secretion and carbohydrate metabolism during pregnancy in the mare. Equine Veterinary Journal, 1984, 16, 239-246.	0.9	77
47	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.. Endocrinology, 1996, 137, 1650-1657.	1.4	75
48	Placental phenotype and resource allocation to fetal growth are modified by the timing and degree of hypoxia during mouse pregnancy. Journal of Physiology, 2016, 594, 1341-1356.	1.3	75
49	Placental mitochondria adapt developmentally and in response to hypoxia to support fetal growth. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1621-1626.	3.3	75
50	THE EFFECTS OF INSULIN ON THE GROWTH RATE OF THE SHEEP FETUS DURING LATE GESTATION. Quarterly Journal of Experimental Physiology (Cambridge, England), 1989, 74, 703-714.	1.0	74
51	The role of insulin in fetal growth. Early Human Development, 1992, 29, 177-181.	0.8	74
52	Developmental regulation of glucogenesis in the sheep fetus during late gestation. Journal of Physiology, 1998, 508, 937-947.	1.3	71
53	Maternal corticosterone regulates nutrient allocation to fetal growth in mice. Journal of Physiology, 2012, 590, 5529-5540.	1.3	71
54	Review: Endocrine regulation of placental phenotype. Placenta, 2015, 36, S50-S59.	0.7	70

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55	Developmental Control of Iodothyronine Deiodinases by Cortisol in the Ovine Fetus and Placenta Near Term. Endocrinology, 2006, 147, 5988-5994.	1.4	68
56	The effect of birth weight on glucose tolerance in pigs at 3 and 12 months of age. Diabetologia, 2002, 45, 1247-1254.	2.9	67
57	Influence of cortisol on adipose tissue development in the fetal sheep during late gestation. Journal of Endocrinology, 2003, 176, 23-30.	1.2	65
58	Effects of low dose dexamethasone treatment on basal cardiovascular and endocrine function in fetal sheep during late gestation. Journal of Physiology, 2002, 545, 649-660.	1.3	64
59	Hormonal and nutritional drivers of intrauterine growth. Current Opinion in Clinical Nutrition and Metabolic Care, 2013, 16, 298-309.	1.3	63
60	Developmental adaptations to increased fetal nutrient demand in mouse genetic models of Igf2â€mediated overgrowth. FASEB Journal, 2011, 25, 1737-1745.	0.2	62
61	The Residual Innate Lymphoid Cells in NFIL3-Deficient Mice Support Suboptimal Maternal Adaptations to Pregnancy. Frontiers in Immunology, 2016, 7, 43.	2.2	62
62	Maternal and fetal genomes interplay through phosphoinositol 3-kinase(PI3K)-p110Î± signaling to modify placental resource allocation. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 11255-11260.	3.3	62
63	Glucocorticoid programming of intrauterine development. Domestic Animal Endocrinology, 2016, 56, S121-S132.	0.8	61
64	The nutritional regulation of plasma prostaglandin E concentrations in the fetus and pregnant ewe during late gestation.. Journal of Physiology, 1987, 394, 1-12.	1.3	60
65	THE EFFECTS OF PANCREATECTOMY ON THE RATES OF GLUCOSE UTILIZATION, OXIDATION AND PRODUCTION IN THE SHEEP FETUS. Quarterly Journal of Experimental Physiology (Cambridge, England), 1988, 73, 973-984.	1.0	60
66	Regulation of 11 beta-hydroxysteroid dehydrogenase type 2 activity in ovine placenta by fetal cortisol. Journal of Endocrinology, 2002, 172, 527-534.	1.2	60
67	A Westernâ€style obesogenic diet alters maternal metabolic physiology with consequences for fetal nutrient acquisition in mice. Journal of Physiology, 2017, 595, 4875-4892.	1.3	60
68	The Endocrinology of Equine Parturition. Experimental and Clinical Endocrinology and Diabetes, 2008, 116, 393-403.	0.6	57
69	Dietary composition programmes placental phenotype in mice. Journal of Physiology, 2011, 589, 3659-3670.	1.3	57
70	Comparative Development of the Pituitaryâ€Adrenal Axis in the Fetal Foal and Lamb. Reproduction in Domestic Animals, 1995, 30, 170-177.	0.6	56
71	The effects of thyroid hormones on oxygen and glucose metabolism in the sheep fetus during late gestation.. Journal of Physiology, 1995, 482, 203-213.	1.3	55
72	Blood Chemistry, Nutrient Metabolism, and Organ Weights in Fetal and Newborn Calves Derived from In Vitro-Produced Bovine Embryos1. Biology of Reproduction, 2000, 62, 1495-1504.	1.2	55

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73	Progestagen profiles during the last trimester of gestation in Thoroughbred mares with normal or compromised pregnancies. Theriogenology, 2005, 63, 1844-1856.	0.9	55
74	The effects of birth weight on basal cardiovascular function in pigs at 3 months of age. Journal of Physiology, 2002, 539, 969-978.	1.3	54
75	Insulin sensitivity in juvenile and adult Large White pigs of low and high birthweight. Diabetologia, 2004, 47, 340-348.	2.9	54
76	Intestinal Macromolecule Absorption in the Fetal Pig after Infusion of Colostrum in Utero. Pediatric Research, 1999, 45, 595-602.	1.1	53
77	Fetal cardiovascular, metabolic and endocrine responses to acute hypoxaemia during and following maternal treatment with dexamethasone in sheep. Journal of Physiology, 2005, 567, 673-688.	1.3	52
78	Restriction of placental growth in sheep impairs insulin secretion but not sensitivity before birth. Journal of Physiology, 2007, 584, 935-949.	1.3	52
79	The imprinted Igf2-Igf2r axis is critical for matching placental microvasculature expansion to fetal growth. Developmental Cell, 2022, 57, 63-79.e8.	3.1	52
80	Neuropeptide Y in the Sheep Fetus: Effects of Acute Hypoxemia and Dexamethasone During Late Gestation¹. Endocrinology, 2000, 141, 3976-3982.	1.4	51
81	Environmental regulation of placental phenotype: implications for fetal growth. Reproduction, Fertility and Development, 2012, 24, 80.	0.1	51
82	Hypoxia, AMPK activation and uterine artery vasoreactivity. Journal of Physiology, 2016, 594, 1357-1369.	1.3	51
83	EFFECTS OF ARGININE AND GLUCOSE ON THE RELEASE OF INSULIN IN THE SHEEP FETUS. Journal of Endocrinology, 1980, 85, 121-129.	1.2	50
84	Cardiovascular and endocrine responses to acute hypoxaemia during and following dexamethasone infusion in the ovine fetus. Journal of Physiology, 2003, 549, 271-287.	1.3	50
85	Localisation of glucose transport in the ruminant placenta: implications for sequential use of transporter isoforms. Placenta, 2005, 26, 626-640.	0.7	50
86	Effects of dexamethasone on the glucogenic capacity of fetal, pregnant, and non-pregnant adult sheep. Journal of Endocrinology, 2007, 192, 67-73.	1.2	50
87	Effects of manipulating intrauterine growth on post natal adrenocortical development and other parameters of maturity in neonatal foals. Equine Veterinary Journal, 2010, 36, 616-621.	0.9	50
88	Studies on equine prematurity 3: Insulin secretion in the foal during the perinatal period. Equine Veterinary Journal, 1984, 16, 286-291.	0.9	49
89	Plasma Leptin Concentration in Fetal Sheep during Late Gestation: Ontogeny and Effect of Glucocorticoids. Endocrinology, 2002, 143, 1166-1173.	1.4	49
90	Placental metabolism: substrate requirements and the response to stress. Reproduction in Domestic Animals, 2016, 51, 25-35.	0.6	49

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91	Separate Sites and Mechanisms for Placental Transport of Calcium, Iron and Glucose in the Equine Placenta. Placenta, 2000, 21, 635-645.	0.7	48
92	The effect of birth weight on hypothalamo-pituitary-adrenal axis function in juvenile and adult pigs. Journal of Physiology, 2003, 547, 107-116.	1.3	48
93	Adrenocortical responsiveness is blunted in twin relative to singleton ovine fetuses. Journal of Physiology, 2004, 557, 1021-1032.	1.3	47
94	PANCREATIC Î²-CELL FUNCTION IN THE FETAL FOAL AND MARE. Journal of Endocrinology, 1980, 87, 293-301.	1.2	46
95	The Effects of Cortisol on the Binucleate Cell Population in the Ovine Placenta During Late Gestation. Placenta, 2002, 23, 451-458.	0.7	46
96	Ontogeny of Uteroplacental Progestagen Production in Pregnant Mares During the Second Half of Gestation1. Biology of Reproduction, 2003, 69, 540-548.	1.2	46
97	Effect of cortisol on blood pressure and the reninâ€angiotensin system in fetal sheep during late gestation. Journal of Physiology, 2000, 526, 167-176.	1.3	45
98	Developmental expression analysis of thyroid hormone receptor isoforms reveals new insights into their essential functions in cardiac and skeletal muscles. FASEB Journal, 2001, 15, 1367-1376.	0.2	44
99	THE EFFECT OF THE NUTRITIONAL STATE ON UTERINE PROSTAGLANDIN F METABOLITE CONCENTRATIONS IN THE PREGNANT EWE DURING LATE GESTATION. Quarterly Journal of Experimental Physiology (Cambridge,) Tj ETQq1 1 0.784314 rgBT /(	1.1	44
100	Plasma progestagens in the mare, fetus and newborn foal. Journal of Reproduction and Fertility Supplement, 1991, 44, 517-28.	0.1	43
101	Scanning Electron Microscopy of the Microcotyledonary Placenta of the Horse (Equus caballus) in the Latter Half of Gestation. Placenta, 2000, 21, 565-574.	0.7	42
102	Functional Significance and Cortisol Dependence of the Gross Morphology of Ovine Placentomes During Late Gestation1. Biology of Reproduction, 2006, 74, 137-145.	1.2	42
103	The glucogenic capacity of the fetal pig: developmental regulation by cortisol. Experimental Physiology, 1995, 80, 457-467.	0.9	41
104	Differential Effects of Maternal Dexamethasone Treatment on Circulating Thyroid Hormone Concentrations and Tissue Deiodinase Activity in the Pregnant Ewe and Fetus. Endocrinology, 2007, 148, 800-805.	1.4	41
105	Developmental Control of Plasma Leptin and Adipose Leptin Messenger Ribonucleic Acid in the Ovine Fetus during Late Gestation: Role of Glucocorticoids and Thyroid Hormones. Endocrinology, 2007, 148, 3750-3757.	1.4	41
106	EFFECTS OF ADRENALINE AND AMINO ACIDS ON THE RELEASE OF INSULIN IN THE SHEEP FETUS. Journal of Endocrinology, 1980, 87, 113-121.	1.2	40
107	Nutritional regulation of uteroplacental prostaglandin production and metabolism in pregnant ewes and mares during late gestation. Experimental and Clinical Endocrinology and Diabetes, 1994, 102, 212-221.	0.6	40
108	Corticosterone alters maternoâ€fetal glucose partitioning and insulin signalling in pregnant mice. Journal of Physiology, 2015, 593, 1307-1321.	1.3	40

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109	Insulin deficiency: Effects on fetal growth and development. Journal of Paediatrics and Child Health, 1993, 29, 6-11.	0.4	39
110	Immunohistochemical localisation of steroidogenic enzymes and phenylethanolamineâ€Nâ€methylâ€transferase (PNMT) in the adrenal gland of the fetal and newborn foal. Equine Veterinary Journal, 1995, 27, 140-146.	0.9	39
111	Postnatal insulin secretion and sensitivity after manipulation of fetal growth by embryo transfer in the horse. Journal of Endocrinology, 2004, 181, 459-467.	1.2	39
112	Hypoxaemiaâ€induced catecholamine secretion from adrenal chromaffin cells inhibits glucoseâ€stimulated hyperinsulinaemia in fetal sheep. Journal of Physiology, 2012, 590, 5439-5447.	1.3	39
113	Low Doses of Dexamethasone Suppress Pituitary-Adrenal Function but Augment the Glycemic Response to Acute Hypoxemia in Fetal Sheep during Late Gestation. Pediatric Research, 2000, 47, 684-691.	1.1	39
114	Ovine feto-placental metabolism. Journal of Physiology, 2004, 554, 529-541.	1.3	38
115	Differential effects of prenatal stress and glucocorticoid administration on postnatal growth and glucose metabolism in rats. Journal of Endocrinology, 2010, 204, 319-329.	1.2	38
116	Postnatal cardiovascular function after manipulation of fetal growth by embryo transfer in the horse. Journal of Physiology, 2003, 547, 67-76.	1.3	38
117	Role of leptin in the regulation of growth and carbohydrate metabolism in the ovine fetus during late gestation. Journal of Physiology, 2008, 586, 2393-2403.	1.3	36
118	Endocrine adaptations in the foal over the perinatal period. Equine Veterinary Journal, 2012, 44, 130-139.	0.9	36
119	The effects of streptozotocin on rates of glucose utilization, oxidation, and production in the sheep fetus. Metabolism: Clinical and Experimental, 1989, 38, 30-37.	1.5	35
120	Development of cardiovascular function in the horse fetus. Journal of Physiology, 2005, 565, 1019-1030.	1.3	34
121	Proximity to Delivery Alters Insulin Sensitivity and Glucose Metabolism in Pregnant Mice. Diabetes, 2016, 65, 851-860.	0.3	34
122	Role of cortisol in the ontogenic control of pulmonary and renal angiotensinâ€converting enzyme in fetal sheep near term. Journal of Physiology, 2000, 526, 409-416.	1.3	33
123	The effects of maternal health and body condition on the endocrine responses of neonatal foals. Equine Veterinary Journal, 2008, 40, 673-679.	0.9	33
124	Ontogenic and nutritionally induced changes in fetal metabolism in the horse. Journal of Physiology, 2000, 528, 209-219.	1.3	32
125	THE EFFECTS OF PANCREATECTOMY ON THE SHEEP FETUSIN UTERO. Quarterly Journal of Experimental Physiology (Cambridge, England), 1984, 69, 319-330.	1.0	31
126	Developmental regulation of hepatic and renal gluconeogenic enzymes by thyroid hormones in fetal sheep during late gestation. Journal of Physiology, 2003, 548, 941-947.	1.3	31

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127	Dietâ€induced maternal obesity impacts fetoâ€placental growth and induces sexâ€specific alterations in placental morphology, mitochondrial bioenergetics, dynamics, lipid metabolism and oxidative stress in mice. Acta Physiologica, 2022, 234, e13795.	1.8	31
128	Influence of maternal size on placental, fetal and postnatal growth in the horse. I. Development in utero. Reproduction, 2002, 123, 445-53.	1.1	31
129	THE EFFECTS OF CORTISOL ON THE CONCENTRATION OF GLYCOGEN IN DIFFERENT TISSUES IN THE CHRONICALLY CATHETERIZED FETAL PIG. Quarterly Journal of Experimental Physiology (Cambridge,) Tj ETQq1 1 0.784314 rgBT /Over	1.8	30
130	Activation of the adult mode of ovine growth hormone receptor gene expression by cortisol during late fetal development. FASEB Journal, 1999, 13, 545-552.	0.2	30
131	Control of ovine hepatic growth hormone receptor and insulin-like growth factor I by thyroid hormones in utero. American Journal of Physiology - Endocrinology and Metabolism, 2000, 278, E1166-E1174.	1.8	30
132	Development of insulin and proinsulin secretion in newborn pony foals. Journal of Endocrinology, 2004, 181, 469-476.	1.2	30
133	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
134	A physiological increase in maternal cortisol alters uteroplacental metabolism in the pregnant ewe. Journal of Physiology, 2016, 594, 6407-6418.	1.3	29
135	The effects of intrafetal ACTH administration on the outcome of pregnancy in the mare. Reproduction, Fertility and Development, 1998, 10, 359.	0.1	29
136	Endocrine Regulation of Tissue Glucose-6-Phosphatase Activity in the Fetal Sheep during Late Gestation*. Endocrinology, 1990, 126, 2823-2830.	1.4	28
137	Transcriptional Regulation of Insulin-like Growth Factor-II Gene Expression by Cortisol in Fetal Sheep during Late Gestation. Journal of Biological Chemistry, 1998, 273, 10586-10593.	1.6	28
138	Control of growth hormone receptor and insulinâ€like growth factorâ€I expression by cortisol in ovine fetal skeletal muscle. Journal of Physiology, 2002, 541, 581-589.	1.3	28
139	Development of baroreflex and endocrine responses to hypotensive stress in newborn foals and lambs. Pflugers Archiv European Journal of Physiology, 2005, 450, 298-306.	1.3	28
140	Maturation of pancreatic Î²-cell function in the fetal horse during late gestation. Journal of Endocrinology, 2005, 186, 467-473.	1.2	28
141	Effects of pancreatectomy on the growth and metabolite concentrations of the sheep fetus. Journal of Endocrinology, 1986, 110, 225-231.	1.2	27
142	Intravenous catheterisation of foetus and mare in late pregnancy: management and respiratory, circulatory and metabolic effects. Equine Veterinary Journal, 1992, 24, 391-396.	0.9	27
143	Localisation of 15â€hydroxy prostaglandin dehydrogenase (PGDH) and steroidogenic enzymes in the equine placenta. Equine Veterinary Journal, 1995, 27, 334-339.	0.9	27
144	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

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145	Adrenal glands are essential for activation of glucogenesis during undernutrition in fetal sheep near term. American Journal of Physiology - Endocrinology and Metabolism, 2011, 300, E94-E102.	1.8	27
146	Adrenocortical Stimulation of Stomach Development in the Prenatal Pig. Neonatology, 1994, 65, 378-389.	0.9	26
147	Equine Uteroplacental Metabolism at Mid- and Late Gestation. Experimental Physiology, 2000, 85, 539-545.	0.9	26
148	Thyroid hormones and the mRNA of the GH receptor and IGFs in skeletal muscle of fetal sheep. American Journal of Physiology - Endocrinology and Metabolism, 2002, 282, E80-E86.	1.8	26
149	Regulation of glucogenesis by thyroid hormones in fetal sheep during late gestation. Journal of Endocrinology, 2001, 170, 461-469.	1.2	25
150	Hypothyroidism in utero stimulates pancreatic beta cell proliferation and hyperinsulinaemia in the ovine fetus during late gestation. Journal of Physiology, 2017, 595, 3331-3343.	1.3	25
151	Development and thyroid hormone dependence of skeletal muscle mitochondrial function towards birth. Journal of Physiology, 2020, 598, 2453-2468.	1.3	25
152	Antenatal glucocorticoids reset the level of baseline and hypoxemia-induced pituitary-adrenal activity in the sheep fetus during late gestation. American Journal of Physiology - Endocrinology and Metabolism, 2004, 286, E311-E319.	1.8	24
153	Adaptations in Placental Phenotype Depend on Route and Timing of Maternal Dexamethasone Administration in Mice1. Biology of Reproduction, 2013, 89, 80.	1.2	24
154	Leptin Matures Aspects of Lung Structure and Function in the Ovine Fetus. Endocrinology, 2016, 157, 395-404.	1.4	24
155	Endocrine Interactions in the Control of Fetal Growth. Nestle Nutrition Institute Workshop Series, 2013, 74, 91-102.	1.5	23
156	Studies on equine prematurity 1: Methodology. Equine Veterinary Journal, 1984, 16, 275-278.	0.9	22
157	The foramen ovale of the foetal and neonatal foal. Equine Veterinary Journal, 1988, 20, 255-260.	0.9	22
158	Antenatal Glucocorticoids Prior to Cesarean Delivery at Term. JAMA Pediatrics, 2014, 168, 507.	3.3	22
159	Blood amino acids in the pregnant mare and fetus: the effects of maternal fasting and intrafetal insulin. Experimental Physiology, 1994, 79, 423-433.	0.9	20
160	Glucose, lactate and oxygen metabolism in the fetal pig during late gestation. Experimental Physiology, 1997, 82, 171-182.	0.9	20
161	Control of hepatic insulin-like growth factor II gene expression by thyroid hormones in fetal sheep near term. American Journal of Physiology - Endocrinology and Metabolism, 1998, 275, E149-E156.	1.8	20
162	Role of thyroid hormones in the developmental control of tissue glycogen in fetal sheep near term. Experimental Physiology, 2009, 94, 1079-1087.	0.9	20

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163	Effects of hypothyroidism on the structure and mechanical properties of bone in the ovine fetus. Journal of Endocrinology, 2011, 210, 189-198.	1.2	20
164	Glucocorticoid Maturation of Fetal Cardiovascular Function. Trends in Molecular Medicine, 2020, 26, 170-184.	3.5	20
165	Effects of Maternal Obesity On Placental Phenotype. Current Vascular Pharmacology, 2020, 19, 113-131.	0.8	20
166	Cortisol influences the ontogeny of both alpha- and beta-subunits of the cardiac sodium channel in fetal sheep. Journal of Endocrinology, 2004, 180, 449-455.	1.2	18
167	Localization and Control of Expression of VEGF-A and the VEGFR-2 Receptor in Fetal Sheep Intestines. Pediatric Research, 2008, 63, 143-148.	1.1	18
168	Pancreatic endocrine function in newborn pony foals after induced or spontaneous delivery at term. Equine Veterinary Journal, 2012, 44, 30-37.	0.9	18
169	Exercise alters the molecular pathways of insulin signaling and lipid handling in maternal tissues of obese pregnant mice. Physiological Reports, 2019, 7, e14202.	0.7	18
170	Fetal and maternal endocrine changes during the induction of parturition with the PGF analogue, cloprostenol, in chronically catheterized sows and fetuses. Journal of Developmental Physiology, 1983, 5, 307-21.	0.3	18
171	Sympathoadrenal and other endocrine and metabolic responses to hypoglycaemia in the fetal foal during late gestation. Experimental Physiology, 1995, 80, 651-662.	0.9	17
172	The Effect of a Reversible Period of Adverse Intrauterine Conditions During Late Gestation on Fetal and Placental Weight and Placentome Distribution in Sheep. Placenta, 2002, 23, 459-466.	0.7	17
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