

Jacqueline M Wallace

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

58
papers

1,734
citations

26
h-index

41
g-index

58
ext. papers

1,907
ext. citations

3.2
avg, IF

4.58
L-index

#	Paper	IF	Citations
58	Evidence for altered placental blood flow and vascularity in compromised pregnancies. <i>Journal of Physiology</i> , 2006 , 572, 51-8	3.9	233
57	Nutritionally mediated placental growth restriction in the growing adolescent: consequences for the fetus. <i>Biology of Reproduction</i> , 2004 , 71, 1055-62	3.9	109
56	Placental weight and efficiency in relation to maternal body mass index and the risk of pregnancy complications in women delivering singleton babies. <i>Placenta</i> , 2012 , 33, 611-8	3.4	99
55	Influence of maternal nutrition on messenger RNA expression of placental angiogenic factors and their receptors at midgestation in adolescent sheep. <i>Biology of Reproduction</i> , 2005 , 72, 1004-9	3.9	88
54	Blood flows and nutrient uptakes in growth-restricted pregnancies induced by overnourishing adolescent sheep. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2002 , 282, R1027-36	3.2	84
53	Switching maternal dietary intake at the end of the first trimester has profound effects on placental development and fetal growth in adolescent ewes carrying singleton fetuses. <i>Biology of Reproduction</i> , 1999 , 61, 101-10	3.9	79
52	Uteroplacental adenovirus vascular endothelial growth factor gene therapy increases fetal growth velocity in growth-restricted sheep pregnancies. <i>Human Gene Therapy</i> , 2014 , 25, 375-84	4.8	56
51	Placental glucose transport in growth-restricted pregnancies induced by overnourishing adolescent sheep. <i>Journal of Physiology</i> , 2003 , 547, 85-94	3.9	55
50	Gestational age, gender and parity specific centile charts for placental weight for singleton deliveries in Aberdeen, UK. <i>Placenta</i> , 2013 , 34, 269-74	3.4	53
49	Maternal and fetal growth, body composition, endocrinology, and metabolic status in undernourished adolescent sheep. <i>Biology of Reproduction</i> , 2007 , 77, 343-50	3.9	48
48	Maternal growth hormone treatment from day 35 to 80 of gestation alters nutrient partitioning in favor of uteroplacental growth in the overnourished adolescent sheep. <i>Biology of Reproduction</i> , 2004 , 70, 1277-85	3.9	48
47	Fetoplacental growth and vascular development in overnourished adolescent sheep at day 50, 90 and 130 of gestation. <i>Reproduction</i> , 2009 , 137, 749-57	3.8	47
46	Effect of weight and adiposity at conception and wide variations in gestational dietary intake on pregnancy outcome and early postnatal performance in young adolescent sheep. <i>Biology of Reproduction</i> , 2010 , 82, 320-30	3.9	41
45	The effect of overnourishing singleton-bearing adult ewes on nutrient partitioning to the gravid uterus. <i>British Journal of Nutrition</i> , 2005 , 94, 533-9	3.6	41
44	Nutrient partitioning during pregnancy: adverse gestational outcome in overnourished adolescent dams. <i>Proceedings of the Nutrition Society</i> , 2000 , 59, 107-17	2.9	37
43	Inter-pregnancy weight change impacts placental weight and is associated with the risk of adverse pregnancy outcomes in the second pregnancy. <i>BMC Pregnancy and Childbirth</i> , 2014 , 14, 40	3.2	36
42	The expression of ovine placental lactogen, StAR and progesterone-associated steroidogenic enzymes in placentae of overnourished growing adolescent ewes. <i>Reproduction</i> , 2007 , 133, 785-96	3.8	34

41	Nutritional paradigms of ovine fetal growth restriction: implications for human pregnancy. <i>Human Fertility</i> , 2005 , 8, 179-87	1.9	34
40	Fetoplacental biometry and umbilical artery Doppler velocimetry in the overnourished adolescent model of fetal growth restriction. <i>American Journal of Obstetrics and Gynecology</i> , 2012 , 207, 141.e6-15	6.4	32
39	Effect of diet composition on pregnancy outcome in overnourished rapidly growing adolescent sheep. <i>British Journal of Nutrition</i> , 2006 , 96, 1060-8	3.6	32
38	Peri- and Postnatal Effects of Prenatal Adenoviral VEGF Gene Therapy in Growth-Restricted Sheep. <i>Biology of Reproduction</i> , 2016 , 94, 142	3.9	32
37	Sensitivity to metabolic signals in late-gestation growth-restricted fetuses from rapidly growing adolescent sheep. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2007 , 293, E1233-41	6	30
36	Late but not early gestational maternal growth hormone treatment increases fetal adiposity in overnourished adolescent sheep. <i>Biology of Reproduction</i> , 2006 , 75, 231-9	3.9	29
35	An immunohistochemical study of the localization and developmental expression of ghrelin and its functional receptor in the ovine placenta. <i>Reproductive Biology and Endocrinology</i> , 2007 , 5, 25	5	28
34	Ultrasonographic assessment of growth and estimation of birthweight in late gestation fetal sheep. <i>Ultrasound in Medicine and Biology</i> , 2011 , 37, 1588-95	3.5	26
33	Developmental indices of nutritionally induced placental growth restriction in the adolescent sheep. <i>Pediatric Research</i> , 2005 , 57, 599-604	3.2	26
32	Overnourishing pregnant adolescent ewes preserves perirenal fat deposition in their growth-restricted fetuses. <i>Reproduction, Fertility and Development</i> , 2006 , 18, 357-64	1.8	25
31	Inter-Pregnancy Weight Change and the Risk of Recurrent Pregnancy Complications. <i>PLoS ONE</i> , 2016 , 11, e0154812	3.7	24
30	Undernutrition and stage of gestation influence fetal adipose tissue gene expression. <i>Journal of Molecular Endocrinology</i> , 2015 , 54, 263-75	4.5	20
29	Adverse metabolic phenotype in low-birth-weight lambs and its modification by postnatal nutrition. <i>British Journal of Nutrition</i> , 2012 , 107, 510-22	3.6	18
28	Expression of energy balance regulatory genes in the developing ovine fetal hypothalamus at midgestation and the influence of hyperglycemia. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2008 , 294, R1895-900	3.2	18
27	Placental growth, angiogenic gene expression, and vascular development in undernourished adolescent sheep. <i>Biology of Reproduction</i> , 2007 , 77, 351-7	3.9	17
26	Influence of birth weight and gender on lipid status and adipose tissue gene expression in lambs. <i>Journal of Molecular Endocrinology</i> , 2014 , 53, 131-44	4.5	16
25	In vivo changes in central and peripheral insulin sensitivity in a large animal model of obesity. <i>Endocrinology</i> , 2012 , 153, 3147-57	4.8	15
24	Competition for nutrients in pregnant adolescents: consequences for maternal, conceptus and offspring endocrine systems. <i>Journal of Endocrinology</i> , 2019 , 242, T1-T19	4.7	15

23	Weight change across the start of three consecutive pregnancies and the risk of maternal morbidity and SGA birth at the second and third pregnancy. <i>PLoS ONE</i> , 2017 , 12, e0179589	3.7	13
22	Placental vascularity and markers of angiogenesis in relation to prenatal growth status in overnourished adolescent ewes. <i>Placenta</i> , 2016 , 46, 79-86	3.4	13
21	Ovine prenatal growth restriction impacts glucose metabolism and body composition throughout life in both sexes. <i>Reproduction</i> , 2018 , 156, 103-119	3.8	11
20	Decreasing maternal nutrient intake during the final third of pregnancy in previously overnourished adolescent sheep: effects on maternal nutrient partitioning and feto-placental development. <i>Placenta</i> , 2012 , 33, 114-21	3.4	11
19	Impact of embryo donor adiposity, birthweight and gender on early postnatal growth, glucose metabolism and body composition in the young lamb. <i>Reproduction, Fertility and Development</i> , 2014 , 26, 665-81	1.8	9
18	iThe Importance of Nutrition in Pregnancy and Lactation: Lifelong Consequences.. <i>American Journal of Obstetrics and Gynecology</i> , 2021 ,	6.4	9
17	Postnatal hypothalamic-pituitary-adrenal function in sheep is influenced by age and sex, but not by prenatal growth restriction. <i>Reproduction, Fertility and Development</i> , 2011 , 23, 275-84	1.8	8
16	Growth and metabolism of fetal and maternal muscles of adolescent sheep on adequate or high feed intake: possible role of protein kinase C-alpha in fetal muscle growth. <i>British Journal of Nutrition</i> , 1998 , 79, 351-7	3.6	8
15	Ovine prenatal growth-restriction and sex influence fetal adipose tissue phenotype and impact postnatal lipid metabolism and adiposity in vivo from birth until adulthood. <i>PLoS ONE</i> , 2020 , 15, e0228732	3.7	6
14	Monitoring for potential adverse effects of prenatal gene therapy: use of large animal models with relevance to human application. <i>Methods in Molecular Biology</i> , 2012 , 891, 291-328	1.4	4
13	Adaptive maternal, placental and fetal responses to nutritional extremes in the pregnant adolescent: lessons from sheep	112-127	4
12	Liver iron status and associated haematological parameters in relation to fetal growth and pregnancy outcome in rapidly growing adolescent sheep carrying a singleton lamb derived by embryo transfer. <i>Reproduction, Fertility and Development</i> , 2010 , 22, 1230-6	1.8	4
11	Impact of donor and recipient adiposity on placental and fetal growth in adolescent sheep. <i>Reproduction</i> , 2017 , 153, 381-394	3.8	3
10	Influence of Maternal Dietary Intake, Intrauterine Growth Restriction (IUGR), and Estrogen Replacement on Placental Development and Vascularity.. <i>Biology of Reproduction</i> , 2011 , 85, 801-801	3.9	2
9	Young Maternal Age, Body Composition and Gestational Intake Impact Pregnancy Outcome: Translational Perspectives 2016 , 57-80		1
8	Does interpregnancy BMI change affect the risk of complications in the second pregnancy? Analysis of pooled data from Aberdeen, Finland and Malta. <i>International Journal of Obesity</i> , 2021 ,	5.5	1
7	Early pregnancy weight gain and fat accrual predict pregnancy outcome in growing adolescent sheep. <i>Reproduction</i> , 2021 , 161, 227-238	3.8	1
6	A new customised placental weight standard redefines the relationship between maternal obesity and extremes of placental size and is more closely associated with pregnancy complications than an existing population standard. <i>Journal of Developmental Origins of Health and Disease</i> , 2020 , 11, 350-359	2.4	1

- 5 Perinatal complications and maximising lamb survival in an adolescent paradigm characterised by premature delivery and low birthweight. *PLoS ONE*, **2021**, 16, e0259890 3-7
- 4 Ovine prenatal growth-restriction and sex influence fetal adipose tissue phenotype and impact postnatal lipid metabolism and adiposity in vivo from birth until adulthood **2020**, 15, e0228732
- 3 Ovine prenatal growth-restriction and sex influence fetal adipose tissue phenotype and impact postnatal lipid metabolism and adiposity in vivo from birth until adulthood **2020**, 15, e0228732
- 2 Ovine prenatal growth-restriction and sex influence fetal adipose tissue phenotype and impact postnatal lipid metabolism and adiposity in vivo from birth until adulthood **2020**, 15, e0228732
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