

Claire T Roberts

List of Publications by Year in Descending Order

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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.

186
papers

6,712
citations

46
h-index

76
g-index

198
ext. papers

7,952
ext. citations

4.8
avg. IF

5.94
L-index

#	Paper	IF	Citations
186	Placental Inflammasome mRNA Levels Differ by Mode of Delivery and Fetal Sex.. <i>Frontiers in Immunology</i> , 2022 , 13, 807750	8.4	
185	Prevalence of Metabolic Syndrome in Women After Maternal Complications of Pregnancy: An Observational Cohort Analysis.. <i>Frontiers in Cardiovascular Medicine</i> , 2022 , 9, 853851	5.4	0
184	Author response to: Cardiovascular risk factors in offspring exposed to gestational diabetes mellitus in utero: systematic review and meta-analysis.. <i>Journal of Developmental Origins of Health and Disease</i> , 2022 , 1-2	2.4	0
183	Fetal side of the placenta: anatomical mis-annotation of carbon particle transfer across the human placenta. <i>Nature Communications</i> , 2021 , 12, 7049	17.4	0
182	Protective Influence of Breastfeeding on Cardiovascular Risk Factors in Women With Previous Gestational Diabetes Mellitus and Their Children: A Systematic Review and Meta-Analysis. <i>Journal of Human Lactation</i> , 2021 , 8903344211034779	2.6	1
181	Relative importance of metabolic syndrome components for developing gestational diabetes. <i>Archives of Gynecology and Obstetrics</i> , 2021 , 1	2.5	0
180	Hypertensive disorders of pregnancy and later cardiovascular disease risk in mothers and children. <i>Journal of Developmental Origins of Health and Disease</i> , 2021 , 12, 555-560	2.4	3
179	The effect of zinc on human trophoblast proliferation and oxidative stress. <i>Journal of Nutritional Biochemistry</i> , 2021 , 90, 108574	6.3	1
178	Bioengineered Microphysiological Placental Models: Towards Improving Understanding of Pregnancy Health and Disease. <i>Trends in Biotechnology</i> , 2021 , 39, 1221-1235	15.1	3
177	Effect of Iodine and Selenium on Proliferation, Viability, and Oxidative Stress in HTR-8/SVneo Placental Cells. <i>Biological Trace Element Research</i> , 2021 , 199, 1332-1344	4.5	5
176	Maternal folate, one-carbon metabolism and pregnancy outcomes. <i>Maternal and Child Nutrition</i> , 2021 , 17, e13064	3.4	11
175	Maternal diet and offspring telomere length: a systematic review. <i>Nutrition Reviews</i> , 2021 , 79, 148-159	6.4	3
174	Safety of maternal pertussis vaccination on pregnancy and birth outcomes: A prospective cohort study. <i>Vaccine</i> , 2021 , 39, 324-331	4.1	2
173	Association between metabolic syndrome and gestational diabetes mellitus in women and their children: a systematic review and meta-analysis. <i>Endocrine</i> , 2021 , 71, 310-320	4	7
172	Is the US failing women?. <i>EClinicalMedicine</i> , 2021 , 31, 100701	11.3	0
171	Effect of Selenium and Iodine on Oxidative Stress in the First Trimester Human Placenta Explants. <i>Nutrients</i> , 2021 , 13,	6.7	3
170	The interaction between metabolic syndrome and physical activity, and risk for gestational diabetes mellitus. <i>Acta Diabetologica</i> , 2021 , 58, 939-947	3.9	1

169	Large-scale transcriptome-wide profiling of microRNAs in human placenta and maternal plasma at early to mid gestation. <i>RNA Biology</i> , 2021 , 1-14	4.8	5
168	The deleterious effects of cannabis during pregnancy on neonatal outcomes. <i>Medical Journal of Australia</i> , 2020 , 212, 519-524	4	14
167	Folic acid supplementation is associated with size at birth in the Screening for Pregnancy Endpoints (SCOPE) international prospective cohort study. <i>Early Human Development</i> , 2020 , 147, 105058	2.2	2
166	The Effect of Interactions between Folic Acid Supplementation and One Carbon Metabolism Gene Variants on Small-for-Gestational-Age Births in the Screening for Pregnancy Endpoints (SCOPE) Cohort Study. <i>Nutrients</i> , 2020 , 12,	6.7	7
165	Sex- and growth-specific characteristics of small for gestational age infants: a prospective cohort study. <i>Biology of Sex Differences</i> , 2020 , 11, 25	9.3	1
164	Psychosocial determinants of pertussis and influenza vaccine uptake in pregnant women: A prospective study. <i>Vaccine</i> , 2020 , 38, 3358-3368	4.1	11
163	Mechanisms linking exposure to preeclampsia and the risk for cardiovascular disease. <i>Journal of Developmental Origins of Health and Disease</i> , 2020 , 11, 235-242	2.4	9
162	Reduced Dietary Calcium and Vitamin D Results in Preterm Birth and Altered Placental Morphogenesis in Mice During Pregnancy. <i>Reproductive Sciences</i> , 2020 , 27, 1330-1339	3	6
161	The association of parental methylenetetrahydrofolate reductase polymorphisms (677C > T and 1298A > C) and fetal loss: a case-control study in South Australia. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2020 , 33, 752-757	2	
160	Pregnancy, but not dietary octanoic acid supplementation, stimulates the ghrelin-pituitary growth hormone axis in mice. <i>Journal of Endocrinology</i> , 2020 , 245, 327-342	4.7	4
159	Cardiovascular risk factors in offspring exposed to gestational diabetes mellitus : systematic review and meta-analysis. <i>Journal of Developmental Origins of Health and Disease</i> , 2020 , 11, 599-616	2.4	22
158	Safety and protective effects of maternal influenza vaccination on pregnancy and birth outcomes: A prospective cohort study. <i>EClinicalMedicine</i> , 2020 , 26, 100522	11.3	5
157	The metabolic syndrome in pregnancy and its association with child telomere length. <i>Diabetologia</i> , 2020 , 63, 2140-2149	10.3	9
156	Cardiovascular risk factors in women with previous gestational diabetes mellitus: A systematic review and meta-analysis. <i>Reviews in Endocrine and Metabolic Disorders</i> , 2020 , 1	10.5	5
155	Effectiveness of birthing kits for clean childbirth: a systematic review. <i>International Health</i> , 2020 , 12, 3-10	2.4	5
154	Author response: cardiovascular risk factors in offspring exposed to gestational diabetes mellitus in utero: systematic review and meta-analysis. <i>Journal of Developmental Origins of Health and Disease</i> , 2020 , 11, 244-245	2.4	2
153	Animal Models of Preeclampsia: Causes, Consequences, and Interventions. <i>Hypertension</i> , 2020 , 75, 1363-1381	8.381	26
152	Validation studies of a fluorescent method to measure placental glucose transport in mice. <i>Placenta</i> , 2019 , 76, 23-29	3.4	

151	Agreement of aneroid and oscillometric blood pressure devices used in pregnancy. <i>Pregnancy Hypertension</i> , 2019 , 17, 43-48	2.6	3
150	Low Serum Levels of HtrA3 at 15 Weeks of Gestation Are Associated with Late-Onset Preeclampsia Development and Small for Gestational Age Birth. <i>Fetal Diagnosis and Therapy</i> , 2019 , 46, 392-401	2.4	3
149	Characterization of 5-methylcytosine and 5-hydroxymethylcytosine in human placenta cell types across gestation. <i>Epigenetics</i> , 2019 , 14, 660-671	5.7	5
148	Peripheral maternal haemodynamics across pregnancy in hypertensive disorders of pregnancy. <i>Pregnancy Hypertension</i> , 2019 , 16, 89-96	2.6	1
147	Anti-Müllerian hormone levels in recurrent embryonic miscarriage patients are frequently abnormal, and may affect pregnancy outcomes. <i>Journal of Obstetrics and Gynaecology</i> , 2019 , 39, 623-627	1.3	7
146	A systematic review of interventions to improve uptake of pertussis vaccination in pregnancy. <i>PLoS ONE</i> , 2019 , 14, e0214538	3.7	17
145	A Protocol for Nurse-Practitioner Led Cardiovascular Follow-Up After Pregnancy Complications in a Socioeconomically Disadvantaged Population. <i>Frontiers in Cardiovascular Medicine</i> , 2019 , 6, 184	5.4	1
144	Maternal Selenium, Copper and Zinc Concentrations in Early Pregnancy, and the Association with Fertility. <i>Nutrients</i> , 2019 , 11,	6.7	17
143	Lifestyle and pregnancy complications in polycystic ovary syndrome: The SCOPE cohort study. <i>Clinical Endocrinology</i> , 2019 , 90, 814-821	3.4	5
142	Effect of Birth Weight and Early Pregnancy BMI on Risk for Pregnancy Complications. <i>Obesity</i> , 2019 , 27, 237-244	8	4
141	Impact of serotonin reuptake inhibitor use on breast milk supply in mothers of preterm infants: a retrospective cohort study. <i>British Journal of Clinical Pharmacology</i> , 2018 , 84, 1373-1379	3.8	5
140	Seasonality of hypertensive disorders of pregnancy - A South Australian population study. <i>Pregnancy Hypertension</i> , 2018 , 12, 118-123	2.6	7
139	Asthma treatment impacts time to pregnancy: evidence from the international SCOPE study. <i>European Respiratory Journal</i> , 2018 , 51,	13.6	14
138	Early pregnancy maternal trace mineral status and the association with adverse pregnancy outcome in a cohort of Australian women. <i>Journal of Trace Elements in Medicine and Biology</i> , 2018 , 46, 103-109	4.1	40
137	Formyl peptide receptor-2 is decreased in foetal growth restriction and contributes to placental dysfunction. <i>Molecular Human Reproduction</i> , 2018 , 24, 94-109	4.4	9
136	Pre-pregnancy fast food and fruit intake is associated with time to pregnancy. <i>Human Reproduction</i> , 2018 , 33, 1063-1070	5.7	27
135	Regulation of the human placental (pro)renin receptor-prorenin-angiotensin system by microRNAs. <i>Molecular Human Reproduction</i> , 2018 , 24, 453-464	4.4	12
134	Vitamin D levels in an Australian and New Zealand cohort and the association with pregnancy outcome. <i>BMC Pregnancy and Childbirth</i> , 2018 , 18, 251	3.2	17

133	Urinary angiotensinogen excretion in Australian Indigenous and non-Indigenous pregnant women. <i>Pregnancy Hypertension</i> , 2018 , 12, 110-117	2.6	9
132	Vitamin and mineral supplementation in pregnancy: evidence to practice. <i>Journal of Pharmacy Practice and Research</i> , 2018 , 48, 186-192	0.7	12
131	The Health-e Babies App for antenatal education: Feasibility for socially disadvantaged women. <i>PLoS ONE</i> , 2018 , 13, e0194337	3.7	28
130	Long-term Trends in Singleton Preterm Birth in South Australia From 1986 to 2014. <i>Obstetrics and Gynecology</i> , 2018 , 131, 79-89	4.9	12
129	Isolation of villous cytotrophoblasts from second trimester human placentas. <i>Placenta</i> , 2018 , 74, 55-58	3.4	2
128	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
127	Metabolic syndrome in pregnancy and risk for adverse pregnancy outcomes: A prospective cohort of nulliparous women. <i>PLoS Medicine</i> , 2018 , 15, e1002710	11.6	55
126	The duration of sexual relationship and its effects on adverse pregnancy outcomes. <i>Journal of Reproductive Immunology</i> , 2018 , 128, 16-22	4.2	5
125	A novel embryo culture media supplement that improves pregnancy rates in mice. <i>Reproduction</i> , 2017 , 153, 327-340	3.8	6
124	The INSR rs2059806 single nucleotide polymorphism, a genetic risk factor for vascular and metabolic disease, associates with pre-eclampsia. <i>Reproductive BioMedicine Online</i> , 2017 , 34, 392-398	4	12
123	Placental transcriptome co-expression analysis reveals conserved regulatory programs across gestation. <i>BMC Genomics</i> , 2017 , 18, 10	4.5	16
122	Remodelling of the bovine placenta: Comprehensive morphological and histomorphological characterization at the late embryonic and early accelerated fetal growth stages. <i>Placenta</i> , 2017 , 55, 37-46	3.4	3
121	Rising maternal circulating GH during murine pregnancy suggests placental regulation. <i>Endocrine Connections</i> , 2017 , 6, 260-266	3.5	13
120	Accelerated placental aging in early onset preeclampsia pregnancies identified by DNA methylation. <i>Epigenomics</i> , 2017 , 9, 279-289	4.4	53
119	Child neurodevelopmental outcomes following preterm and term birth: What can the placenta tell us?. <i>Placenta</i> , 2017 , 57, 79-86	3.4	31
118	Biomedical research: Premature lambs grown in a bag. <i>Nature</i> , 2017 , 546, 45-46	50.4	2
117	Clinical and biochemical factors associated with preeclampsia in women with obesity. <i>Obesity</i> , 2017 , 25, 460-467	8	14
116	Increased methylation and decreased expression of homeobox genes TLX1, HOXA10 and DLX5 in human placenta are associated with trophoblast differentiation. <i>Scientific Reports</i> , 2017 , 7, 4523	4.9	14

115	Viperin is an important host restriction factor in control of Zika virus infection. <i>Scientific Reports</i> , 2017 , 7, 4475	4.9	69
114	Zinc is a critical regulator of placental morphogenesis and maternal hemodynamics during pregnancy in mice. <i>Scientific Reports</i> , 2017 , 7, 15137	4.9	22
113	Emergency contraception [An evidence-based practice guide. <i>Journal of Pharmacy Practice and Research</i> , 2017 , 47, 486-493	0.7	1
112	Mechanistic Insight into Long Noncoding RNAs and the Placenta. <i>International Journal of Molecular Sciences</i> , 2017 , 18,	6.3	47
111	Prediction of Small for Gestational Age Infants in Healthy Nulliparous Women Using Clinical and Ultrasound Risk Factors Combined with Early Pregnancy Biomarkers. <i>PLoS ONE</i> , 2017 , 12, e0169311	3.7	27
110	Pre-eclampsia. <i>Lancet, The</i> , 2016 , 387, 999-1011	4.0	889
109	Polymorphisms in the inflammatory pathway genes and the risk of preeclampsia in Sinhalese women. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2016 , 29, 1072-6	2	13
108	3D ultrasound findings in women attending a South Australian recurrent miscarriage clinic. <i>Australasian Journal of Ultrasound in Medicine</i> , 2016 , 19, 142-146	0.6	
107	Seasonality of gestational diabetes mellitus: a South Australian population study. <i>BMJ Open Diabetes Research and Care</i> , 2016 , 4, e000286	4.5	25
106	First trimester trophoblasts forming endothelial-like tubes in vitro emulate a blood vessel development gene expression profile. <i>Gene Expression Patterns</i> , 2016 , 21, 103-10	1.5	18
105	Maternal marijuana use has independent effects on risk for spontaneous preterm birth but not other common late pregnancy complications. <i>Reproductive Toxicology</i> , 2016 , 62, 77-86	3.4	54
104	Impact of maternal undernutrition around the time of conception on factors regulating hepatic lipid metabolism and microRNAs in singleton and twin fetuses. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2016 , 310, E148-59	6	9
103	Effect of oxygen on the expression of renin-angiotensin system components in a human trophoblast cell line. <i>Placenta</i> , 2016 , 37, 1-6	3.4	10
102	Sexual Dimorphism in Adverse Pregnancy Outcomes - A Retrospective Australian Population Study 1981-2011. <i>PLoS ONE</i> , 2016 , 11, e0158807	3.7	46
101	Early restriction of placental growth results in placental structural and gene expression changes in late gestation independent of fetal hypoxemia. <i>Physiological Reports</i> , 2016 , 4, e13049	2.6	26
100	Association between Maternal Zinc Status, Dietary Zinc Intake and Pregnancy Complications: A Systematic Review. <i>Nutrients</i> , 2016 , 8,	6.7	53
99	Large Scale Gene Expression Meta-Analysis Reveals Tissue-Specific, Sex-Biased Gene Expression in Humans. <i>Frontiers in Genetics</i> , 2016 , 7, 183	4.5	54
98	Cord Blood DNA Methylation Biomarkers for Predicting Neurodevelopmental Outcomes. <i>Genes</i> , 2016 , 7,	4.2	16

97	Recent progress towards understanding the role of DNA methylation in human placental development. <i>Reproduction</i> , 2016 , 152, R23-30	3.8	46
96	The obesity associated FTO gene variant and the risk of adverse pregnancy outcomes: Evidence from the SCOPE study. <i>Obesity</i> , 2016 , 24, 2600-2607	8	10
95	Maternal insulin-like growth factor 1 and 2 differentially affect the renin-angiotensin system during pregnancy in the guinea pig. <i>Growth Hormone and IGF Research</i> , 2015 , 25, 141-7	2	3
94	Insulin family polymorphisms in pregnancies complicated by small for gestational age infants. <i>Molecular Human Reproduction</i> , 2015 , 21, 745-52	4.4	5
93	Impact of periconceptual and preimplantation undernutrition on factors regulating myogenesis and protein synthesis in muscle of singleton and twin fetal sheep. <i>Physiological Reports</i> , 2015 , 3, e12495 ^{2.6}	2.6	11
92	Placental adaptations in growth restriction. <i>Nutrients</i> , 2015 , 7, 360-89	6.7	137
91	The effect of Vdr gene ablation on global gene expression in the mouse placenta. <i>Genomics Data</i> , 2015 , 6, 72-3		2
90	The obesity-related FTO gene variant associates with the risk of recurrent miscarriage. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2015 , 94, 722-726	3.8	6
89	Abnormal pregnancy outcomes in mice using an induced periodontitis model and the haematogenous migration of <i>Fusobacterium nucleatum</i> sub-species to the murine placenta. <i>PLoS ONE</i> , 2015 , 10, e0120050	3.7	19
88	Hypoxia induced HIF-1/HIF-2 activity alters trophoblast transcriptional regulation and promotes invasion. <i>European Journal of Cell Biology</i> , 2015 , 94, 589-602	6.1	45
87	Mid-trimester maternal ADAM12 levels differ according to fetal gender in pregnancies complicated by preeclampsia. <i>Reproductive Sciences</i> , 2015 , 22, 235-41	3	7
86	Vitamin D Receptor Gene Ablation in the Conceptus Has Limited Effects on Placental Morphology, Function and Pregnancy Outcome. <i>PLoS ONE</i> , 2015 , 10, e0131287	3.7	21
85	Embryo number and periconceptual undernutrition in the sheep have differential effects on adrenal epigenotype, growth, and development. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 307, E141-50	6	23
84	Early pregnancy prediction of preeclampsia in nulliparous women, combining clinical risk and biomarkers: the Screening for Pregnancy Endpoints (SCOPE) international cohort study. <i>Hypertension</i> , 2014 , 64, 644-52	8.5	165
83	Impact of embryo number and maternal undernutrition around the time of conception on insulin signaling and gluconeogenic factors and microRNAs in the liver of fetal sheep. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2014 , 306, E1013-24	6	31
82	Hypoxia-inducible factor-1 β gene polymorphisms in early and late onset preeclampsia in Sinhalese women. <i>Placenta</i> , 2014 , 35, 491-5	3.4	11
81	Imprinted and X-linked non-coding RNAs as potential regulators of human placental function. <i>Epigenetics</i> , 2014 , 9, 81-9	5.7	32
80	Fetal sex and the circulating renin-angiotensin system during early gestation in women who later develop preeclampsia or gestational hypertension. <i>Journal of Human Hypertension</i> , 2014 , 28, 133-9	2.6	30

79	Integrative transcriptome meta-analysis reveals widespread sex-biased gene expression at the human fetal-maternal interface. <i>Molecular Human Reproduction</i> , 2014 , 20, 810-9	4.4	95
78	massiR: a method for predicting the sex of samples in gene expression microarray datasets. <i>Bioinformatics</i> , 2014 , 30, 2084-5	7.2	16
77	Circulating IGF1 and IGF2 and SNP genotypes in men and pregnant and non-pregnant women. <i>Endocrine Connections</i> , 2014 , 3, 138-49	3.5	13
76	Polymorphisms in the fibrinolytic pathway genes and the risk of recurrent spontaneous abortion. <i>Reproductive BioMedicine Online</i> , 2014 , 29, 745-51	4	6
75	The balance between human maternal plasma angiotensin II and angiotensin 1-7 levels in early gestation pregnancy is influenced by fetal sex. <i>JRAAS - Journal of the Renin-Angiotensin-Aldosterone System</i> , 2014 , 15, 523-31	3	13
74	Periconceptual undernutrition programs changes in insulin-signaling molecules and microRNAs in skeletal muscle in singleton and twin fetal sheep. <i>Biology of Reproduction</i> , 2014 , 90, 5	3.9	36
73	Folate, vitamin B12, vitamin B6 and homocysteine: impact on pregnancy outcome. <i>Maternal and Child Nutrition</i> , 2013 , 9, 155-66	3.4	54
72	Vascular endothelial growth factor family gene polymorphisms in preeclampsia in Sinhalese women in Sri-Lanka. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2013 , 26, 532-6	2	22
71	Non-invasive assessment of maternal hemodynamics in early pregnancy. <i>Pregnancy Hypertension</i> , 2013 , 3, 261-9	2.6	8
70	The association of AGTR2 polymorphisms with preeclampsia and uterine artery bilateral notching is modulated by maternal BMI. <i>Placenta</i> , 2013 , 34, 75-81	3.4	19
69	Impact of embryo number and periconceptual undernutrition on factors regulating adipogenesis, lipogenesis, and metabolism in adipose tissue in the sheep fetus. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2013 , 305, E931-41	6	10
68	Integrated proteomics pipeline yields novel biomarkers for predicting preeclampsia. <i>Hypertension</i> , 2013 , 61, 1281-8	8.5	47
67	A label-free selected reaction monitoring workflow identifies a subset of pregnancy specific glycoproteins as potential predictive markers of early-onset pre-eclampsia. <i>Molecular and Cellular Proteomics</i> , 2013 , 12, 3148-59	7.6	39
66	The association of maternal ACE A11860G with small for gestational age babies is modulated by the environment and by fetal sex: a multicentre prospective case-control study. <i>Molecular Human Reproduction</i> , 2013 , 19, 618-27	4.4	9
65	Maternal undernutrition during the first week after conception results in decreased expression of glucocorticoid receptor mRNA in the absence of GR exon 17 hypermethylation in the fetal pituitary in late gestation. <i>Journal of Developmental Origins of Health and Disease</i> , 2013 , 4, 391-401	2.4	8
64	Maternal undernutrition around the time of conception and embryo number each impact on the abundance of key regulators of cardiac growth and metabolism in the fetal sheep heart. <i>Journal of Developmental Origins of Health and Disease</i> , 2013 , 4, 377-90	2.4	18
63	Association between maternal alcohol consumption in early pregnancy and pregnancy outcomes. <i>Obstetrics and Gynecology</i> , 2013 , 122, 830-837	4.9	50
62	Maternal and paternal genomes differentially affect myofibre characteristics and muscle weights of bovine fetuses at midgestation. <i>PLoS ONE</i> , 2013 , 8, e53402	3.7	8

61	Clinical prediction in early pregnancy of infants small for gestational age by customised birthweight centiles: findings from a healthy nulliparous cohort. <i>PLoS ONE</i> , 2013 , 8, e70917	3.7	32
60	Maternal undernutrition reduces P-glycoprotein in guinea pig placenta and developing brain in late gestation. <i>Reproductive Toxicology</i> , 2012 , 33, 374-81	3.4	56
59	Placental expression of VEGF family mRNA in adverse pregnancy outcomes. <i>Placenta</i> , 2012 , 33, 467-72	3.4	60
58	Use of Matrigel in culture affects cell phenotype and gene expression in the first trimester trophoblast cell line HTR8/SVneo. <i>Placenta</i> , 2012 , 33, 586-8	3.4	26
57	Quantitative allele-specific expression and DNA methylation analysis of H19, IGF2 and IGF2R in the human placenta across gestation reveals H19 imprinting plasticity. <i>PLoS ONE</i> , 2012 , 7, e51210	3.7	21
56	Maternal low-dose porcine somatotropin treatment in late gestation increases progeny weight at birth and weaning in sows but not in gilts. <i>Journal of Animal Science</i> , 2012 , 90, 1428-35	0.7	1
55	Maternal red blood cell folate concentration at 10-12 weeks gestation and pregnancy outcome. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2012 , 25, 1423-7	2	29
54	The interaction between the maternal BMI and angiogenic gene polymorphisms associates with the risk of spontaneous preterm birth. <i>Molecular Human Reproduction</i> , 2012 , 18, 459-65	4.4	18
53	The vascular endothelial growth factor family in adverse pregnancy outcomes. <i>Human Reproduction Update</i> , 2012 , 18, 436-57	15.8	139
52	Single-nucleotide polymorphisms in the KDR gene in pregnancies complicated by gestational hypertensive disorders and small-for-gestational-age infants. <i>Reproductive Sciences</i> , 2012 , 19, 547-54	3	17
51	Increased placental nutrient transporter expression at midgestation after maternal growth hormone treatment in pigs: a placental mechanism for increased fetal growth. <i>Biology of Reproduction</i> , 2012 , 87, 126	3.9	11
50	A functional variant in ANGPT1 and the risk of pregnancies with hypertensive disorders and small-for-gestational-age infants. <i>Molecular Human Reproduction</i> , 2012 , 18, 325-32	4.4	14
49	Risk factors for preterm birth in an international prospective cohort of nulliparous women. <i>PLoS ONE</i> , 2012 , 7, e39154	3.7	75
48	A functional variant in the thrombospondin-1 gene and the risk of small for gestational age infants. <i>Journal of Thrombosis and Haemostasis</i> , 2011 , 9, 2221-8	15.4	14
47	The neglected role of insulin-like growth factors in the maternal circulation regulating fetal growth. <i>Journal of Physiology</i> , 2011 , 589, 7-20	3.9	62
46	Paternal contribution to small for gestational age babies: a multicenter prospective study. <i>Obesity</i> , 2011 , 19, 1035-9	8	34
45	The etiology of preeclampsia: the role of the father. <i>Journal of Reproductive Immunology</i> , 2011 , 89, 126-32	3.2	64
44	DNA damage and health in pregnancy. <i>Journal of Reproductive Immunology</i> , 2011 , 89, 153-62	4.2	26

43	Metabolic profiling uncovers a phenotypic signature of small for gestational age in early pregnancy. <i>Journal of Proteome Research</i> , 2011 , 10, 3660-73	5.6	85
42	The placental response to excess maternal glucocorticoid exposure differs between the male and female conceptus in spiny mice. <i>Biology of Reproduction</i> , 2011 , 85, 1040-7	3.9	46
41	Association of vascular endothelial growth factor +936 C/T single-nucleotide polymorphism with pregnancies complicated by small-for-gestational-age babies. <i>JAMA Pediatrics</i> , 2011 , 165, 1123-30		6
40	Maternal responses to daily maternal porcine somatotropin injections during early-mid pregnancy or early-late pregnancy in sows and gilts. <i>Journal of Animal Science</i> , 2010 , 88, 1365-78	0.7	5
39	DNA methylation-mediated down-regulation of DNA methyltransferase-1 (DNMT1) is coincident with, but not essential for, global hypomethylation in human placenta. <i>Journal of Biological Chemistry</i> , 2010 , 285, 9583-9593	5.4	75
38	Robust early pregnancy prediction of later preeclampsia using metabolomic biomarkers. <i>Hypertension</i> , 2010 , 56, 741-9	8.5	215
37	Chronic maternal hypertension characterized by renal dysfunction is associated with reduced placental blood flow during late gestation in rabbits. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2010 , 298, R1043-9	3.2	8
36	Beyond oxygen: complex regulation and activity of hypoxia inducible factors in pregnancy. <i>Human Reproduction Update</i> , 2010 , 16, 415-31	15.8	171
35	Chronic maternal hypertension affects placental gene expression and differentiation in rabbits. <i>Journal of Hypertension</i> , 2010 , 28, 959-68	1.9	7
34	IFPA Award in Placentology Lecture: Complicated interactions between genes and the environment in placentation, pregnancy outcome and long term health. <i>Placenta</i> , 2010 , 31 Suppl, S47-53	3.4	65
33	Distinct patterns of gene-specific methylation in mammalian placentas: implications for placental evolution and function. <i>Placenta</i> , 2010 , 31, 259-68	3.4	27
32	Risk factors for small-for-gestational-age infants by customised birthweight centiles: data from an international prospective cohort study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2010 , 117, 1599-607	3.7	100
31	Responses to maternal GH or ractopamine during early-mid pregnancy are similar in primiparous and multiparous pregnant pigs. <i>Journal of Endocrinology</i> , 2009 , 203, 143-54	4.7	16
30	Csf2 null mutation alters placental gene expression and trophoblast glycogen cell and giant cell abundance in mice. <i>Biology of Reproduction</i> , 2009 , 81, 207-21	3.9	41
29	Ontogeny of placental structural development and expression of the renin-angiotensin system and 11beta-HSD2 genes in the rabbit. <i>Placenta</i> , 2009 , 30, 590-8	3.4	24
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