

Philip N Baker

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.

273
papers

9,564
citations

54
h-index

88
g-index

280
ext. papers

10,698
ext. citations

4.5
avg, IF

5.83
L-index

#	Paper	IF	Citations
273	Placental apoptosis in normal human pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 1997 , 177, 57-65	6.4	344
272	Increased placental apoptosis in intrauterine growth restriction. <i>American Journal of Obstetrics and Gynecology</i> , 1997 , 177, 1395-401	6.4	314
271	Clinical risk prediction for pre-eclampsia in nulliparous women: development of model in international prospective cohort. <i>BMJ, The</i> , 2011 , 342, d1875	5.9	286
270	Increased placental apoptosis in pregnancies complicated by preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2001 , 184, 1249-50	6.4	227
269	Uterine natural killer cells initiate spiral artery remodeling in human pregnancy. <i>FASEB Journal</i> , 2012 , 26, 4876-85	0.9	218
268	Robust early pregnancy prediction of later preeclampsia using metabolomic biomarkers. <i>Hypertension</i> , 2010 , 56, 741-9	8.5	215
267	A three-year follow-up of children imaged in utero with echo-planar magnetic resonance. <i>American Journal of Obstetrics and Gynecology</i> , 1994 , 170, 32-3	6.4	206
266	A three-year follow-up of children imaged in utero with echo-planar magnetic resonance. <i>American Journal of Obstetrics and Gynecology</i> , 1994 , 170, 32-33	6.4	195
265	Differences in apoptotic susceptibility of cytotrophoblasts and syncytiotrophoblasts in normal pregnancy to those complicated with preeclampsia and intrauterine growth restriction. <i>American Journal of Pathology</i> , 2003 , 162, 637-43	5.8	172
264	Nitric oxide produced by endothelial cells increases production of eicosanoids through activation of prostaglandin H synthase. <i>Circulation Research</i> , 1995 , 77, 274-83	15.7	170
263	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
262	Elevated serum levels of vascular endothelial growth factor in patients with preeclampsia. <i>Obstetrics and Gynecology</i> , 1995 , 86, 815-21	4.9	159
261	Automated workflows for accurate mass-based putative metabolite identification in LC/MS-derived metabolomic datasets. <i>Bioinformatics</i> , 2011 , 27, 1108-12	7.2	156
260	Metabolic profiling of serum using Ultra Performance Liquid Chromatography and the LTQ-Orbitrap mass spectrometry system. <i>Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences</i> , 2008 , 871, 288-98	3.2	151
259	Uterine spiral artery remodeling involves endothelial apoptosis induced by extravillous trophoblasts through Fas/FasL interactions. <i>Arteriosclerosis, Thrombosis, and Vascular Biology</i> , 2005 , 25, 102-8	9.4	143
258	Insulin-like growth factor I and II regulate the life cycle of trophoblast in the developing human placenta. <i>American Journal of Physiology - Cell Physiology</i> , 2008 , 294, C1313-22	5.4	124
257	Sildenafil citrate (Viagra) enhances vasodilatation in fetal growth restriction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 2550-5	5.6	124

256	A prospective study of micronutrient status in adolescent pregnancy. <i>American Journal of Clinical Nutrition</i> , 2009 , 89, 1114-24	7	120
255	A randomised, double-blinded, placebo-controlled study of the phosphodiesterase type 5 inhibitor sildenafil for the treatment of preeclampsia. <i>Hypertension in Pregnancy</i> , 2009 , 28, 369-82	2	120
254	Invasive trophoblasts stimulate vascular smooth muscle cell apoptosis by a fas ligand-dependent mechanism. <i>American Journal of Pathology</i> , 2006 , 169, 1863-74	5.8	120
253	Reduced infant birthweight consequent upon maternal exposure to severe life events. <i>Psychosomatic Medicine</i> , 2008 , 70, 688-94	3.7	106
252	A prospective cohort study investigating associations between hyperemesis gravidarum and cognitive, behavioural and emotional well-being in pregnancy. <i>PLoS ONE</i> , 2011 , 6, e27678	3.7	101
251	Sildenafil citrate rescues fetal growth in the catechol-O-methyl transferase knockout mouse model. <i>Hypertension</i> , 2012 , 59, 1021-8	8.5	99
250	Fetal-derived trophoblast use the apoptotic cytokine tumor necrosis factor-alpha-related apoptosis-inducing ligand to induce smooth muscle cell death. <i>Circulation Research</i> , 2007 , 100, 834-41	15.7	98
249	Maternal sildenafil for severe fetal growth restriction (STRIDER): a multicentre, randomised, placebo-controlled, double-blind trial. <i>The Lancet Child and Adolescent Health</i> , 2018 , 2, 93-102	14.5	95
248	Novel biomarkers for pre-eclampsia detected using metabolomics and machine learning. <i>Metabolomics</i> , 2005 , 1, 227-234	4.7	95
247	Trophoblast- and vascular smooth muscle cell-derived MMP-12 mediates elastolysis during uterine spiral artery remodeling. <i>American Journal of Pathology</i> , 2010 , 177, 2103-15	5.8	92
246	Assessment of fetal lung growth in utero with echo-planar MR imaging. <i>Radiology</i> , 1999 , 210, 197-200	20.5	89
245	STRIDER: Sildenafil Therapy In Dismal prognosis Early-onset intrauterine growth Restriction--a protocol for a systematic review with individual participant data and aggregate data meta-analysis and trial sequential analysis. <i>Systematic Reviews</i> , 2014 , 3, 23	3	86
244	Loss of endothelium-dependent relaxation in myometrial resistance arteries in pre-eclampsia. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1997 , 104, 1152-8	3.7	86
243	Non-invasive mapping of placental perfusion. <i>Lancet, The</i> , 1998 , 351, 1397-9	40	86
242	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
241	Plasma from women with preeclampsia increases endothelial cell nitric oxide production. <i>Hypertension</i> , 1995 , 26, 244-8	8.5	84
240	eNOS knockout mouse as a model of fetal growth restriction with an impaired uterine artery function and placental transport phenotype. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2012 , 303, R86-93	3.2	80
239	MMP-2 levels are elevated in the plasma of women who subsequently develop preeclampsia. <i>Hypertension in Pregnancy</i> , 2005 , 24, 103-15	2	80

238	Fetal brain activity in response to a visual stimulus. <i>Human Brain Mapping</i> , 2003 , 20, 239-45	5.9	80
237	Prevalence and predictors of alcohol use during pregnancy: findings from international multicentre cohort studies. <i>BMJ Open</i> , 2015 , 5, e006323	3	78
236	Estimation of fetal lung volume using echo-planar magnetic resonance imaging. <i>Obstetrics and Gynecology</i> , 1994 , 83, 951-4	4.9	76
235	Differential mechanisms of endothelium-dependent vasodilator responses in human myometrial small arteries in normal pregnancy and pre-eclampsia. <i>Clinical Science</i> , 2002 , 103, 67-73	6.5	75
234	Detection and identification of novel metabolomic biomarkers in preeclampsia. <i>Reproductive Sciences</i> , 2008 , 15, 591-7	3	74
233	Intra-uterine growth restriction is associated with increased apoptosis and altered expression of proteins in the p53 pathway in villous trophoblast. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2011 , 16, 135-44	5.4	68
232	The effect of vascular origin, oxygen, and tumour necrosis factor alpha on trophoblast invasion of maternal arteries in vitro. <i>Journal of Pathology</i> , 2005 , 206, 476-85	9.4	68
231	In vivo perfusion measurements in the human placenta using echo planar imaging at 0.5 T. <i>Magnetic Resonance in Medicine</i> , 1998 , 40, 467-73	4.4	65
230	Measurement of fetal liver, brain and placental volumes with echo-planar magnetic resonance imaging. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1995 , 102, 35-9	3.7	65
229	Platelet angiotensin II binding and plasma renin concentration, plasma renin substrate and plasma angiotensin II in human pregnancy. <i>Clinical Science</i> , 1990 , 79, 403-8	6.5	65
228	Excessive autophagy induces the failure of trophoblast invasion and vasculature: possible relevance to the pathogenesis of preeclampsia. <i>Journal of Hypertension</i> , 2015 , 33, 106-17	1.9	64
227	Altered cell kinetics in cultured placental villous explants in pregnancies complicated by pre-eclampsia and intrauterine growth restriction. <i>Journal of Pathology</i> , 2004 , 204, 11-8	9.4	64
226	Nitric oxide protects human extravillous trophoblast cells from apoptosis by a cyclic GMP-dependent mechanism and independently of caspase 3 nitrosylation. <i>Experimental Cell Research</i> , 2003 , 287, 314-24	4.2	61
225	Preeclampsia is associated with alterations in the p53-pathway in villous trophoblast. <i>PLoS ONE</i> , 2014 , 9, e87621	3.7	59
224	Maternal Dietary Patterns and Pregnancy Outcome. <i>Nutrients</i> , 2016 , 8,	6.7	59
223	Epidermal growth factor rescues trophoblast apoptosis induced by reactive oxygen species. <i>Apoptosis: an International Journal on Programmed Cell Death</i> , 2007 , 12, 1611-22	5.4	58
222	Fetal brain activity and hemodynamic response to a vibroacoustic stimulus. <i>Human Brain Mapping</i> , 2004 , 22, 116-21	5.9	57
221	Comparative study of platelet angiotensin II binding and the angiotensin II sensitivity test as predictors of pregnancy-induced hypertension. <i>Clinical Science</i> , 1992 , 83, 89-95	6.5	55

220	Plasma of preeclamptic women stimulates and then inhibits endothelial prostacyclin. <i>Hypertension</i> , 1996 , 27, 56-61	8.5	54
219	Maternal selenium, copper and zinc concentrations in pregnancy associated with small-for-gestational-age infants. <i>Maternal and Child Nutrition</i> , 2014 , 10, 327-34	3.4	53
218	IGF2 actions on trophoblast in human placenta are regulated by the insulin-like growth factor 2 receptor, which can function as both a signaling and clearance receptor. <i>Biology of Reproduction</i> , 2011 , 84, 440-6	3.9	53
217	Effects of a phosphodiesterase-5 (PDE5) inhibitor on endothelium-dependent relaxation of myometrial small arteries. <i>American Journal of Obstetrics and Gynecology</i> , 2004 , 190, 1283-90	6.4	51
216	Vascular adaptations to pregnancy in mice: effects on myogenic tone. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002 , 283, H2226-33	5.2	51
215	The role of gap junctions in mediating endothelium-dependent responses to bradykinin in myometrial small arteries isolated from pregnant women. <i>British Journal of Pharmacology</i> , 2002 , 136, 1085-8	8.6	51
214	Association between maternal alcohol consumption in early pregnancy and pregnancy outcomes. <i>Obstetrics and Gynecology</i> , 2013 , 122, 830-837	4.9	50
213	Effects of resveratrol in pregnancy using murine models with reduced blood supply to the uterus. <i>PLoS ONE</i> , 2013 , 8, e64401	3.7	50
212	The receptor for advanced glycation end products (RAGE) is elevated in women with preeclampsia. <i>Hypertension in Pregnancy</i> , 2003 , 22, 173-84	2	49
211	Early pregnancy metabolite profiling discovers a potential biomarker for the subsequent development of gestational diabetes mellitus. <i>Acta Diabetologica</i> , 2014 , 51, 887-90	3.9	48
210	Integrated proteomics pipeline yields novel biomarkers for predicting preeclampsia. <i>Hypertension</i> , 2013 , 61, 1281-8	8.5	47
209	Altered expression of regulators of caspase activity within trophoblast of normal pregnancies and pregnancies complicated by preeclampsia. <i>Reproductive Sciences</i> , 2008 , 15, 1034-43	3	47
208	The relationship between 25-hydroxyvitamin D concentration in early pregnancy and pregnancy outcomes in a large, prospective cohort. <i>British Journal of Nutrition</i> , 2016 , 116, 1409-1415	3.6	47
207	Expression and function of potassium channels in the human placental vasculature. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2006 , 291, R437-46	3.2	46
206	A vegetable, fruit, and white rice dietary pattern during pregnancy is associated with a lower risk of preterm birth and larger birth size in a multiethnic Asian cohort: the Growing Up in Singapore Towards healthy Outcomes (GUSTO) cohort study. <i>American Journal of Clinical Nutrition</i> , 2016 , 104, 1416-1423	7	44
205	Impaired mitochondrial fusion, autophagy, biogenesis and dysregulated lipid metabolism is associated with preeclampsia. <i>Experimental Cell Research</i> , 2017 , 359, 195-204	4.2	43
204	Placental apoptosis is increased in post-term pregnancies. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1999 , 106, 861-2	3.7	43
203	Maternal celiac disease autoantibodies bind directly to syncytiotrophoblast and inhibit placental tissue transglutaminase activity. <i>Reproductive Biology and Endocrinology</i> , 2009 , 7, 16	5	40

202	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
201	Remodeling of myometrial radial arteries in preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2005 , 192, 572-9	6.4	39
200	The changes in magnetic resonance properties of the fetal lungs: a first result and a potential tool for the non-invasive in utero demonstration of fetal lung maturation. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1999 , 106, 122-5	3.7	38
199	Effect of the anti-oxidant tempol on fetal growth in a mouse model of fetal growth restriction. <i>Biology of Reproduction</i> , 2012 , 87, 25, 1-8	3.9	37
198	Platelet angiotensin II binding sites in normotensive and hypertensive women. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1991 , 98, 436-40	3.7	37
197	The influence of oxygen and tumor necrosis factor-alpha on the cellular kinetics of term placental villous explants in culture. <i>Journal of Histochemistry and Cytochemistry</i> , 2004 , 52, 749-57	3.4	36
196	Maternal Administration of Sildenafil Citrate Alters Fetal and Placental Growth and Fetal-Placental Vascular Resistance in the Growth-Restricted Ovine Fetus. <i>Hypertension</i> , 2016 , 68, 760-7	8.5	35
195	Spiral artery blood volume in normal pregnancies and those compromised by pre-eclampsia. <i>NMR in Biomedicine</i> , 2008 , 21, 376-80	4.4	35
194	Sphingosine-1-phosphate acts via rho-associated kinase and nitric oxide to regulate human placental vascular tone. <i>Biology of Reproduction</i> , 2006 , 74, 88-94	3.9	35
193	A comparison of fetal organ measurements by echo-planar magnetic resonance imaging and ultrasound. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2005 , 112, 43-9	3.7	35
192	Pregnancy loss managed by cervical dilatation and curettage increases the risk of spontaneous preterm birth. <i>Human Reproduction</i> , 2013 , 28, 3197-206	5.7	33
191	A role for tissue transglutaminase in stabilization of membrane-cytoskeletal particles shed from the human placenta. <i>Biology of Reproduction</i> , 2007 , 77, 648-57	3.9	33
190	Plasma from pre-eclamptic women and functional change in myometrial resistance arteries. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1998 , 105, 459-61	3.7	32
189	Hypertensive diseases and eclampsia. <i>Current Opinion in Obstetrics and Gynecology</i> , 2002 , 14, 119-25	2.4	32
188	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
187	Phosphodiesterase-5 inhibitors and omental and placental small artery function in normal pregnancy and pre-eclampsia. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2006 , 127, 41-9	2.4	30
186	Myometrial and placental artery reactivity alone cannot explain reduced placental perfusion in pre-eclampsia and intrauterine growth restriction. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2003 , 110, 909-915	3.7	30
185	The effects of vascular endothelial growth factor on endothelial cells: a potential role in preeclampsia. <i>American Journal of Obstetrics and Gynecology</i> , 2000 , 182, 176-83	6.4	30

184	Nutritional Intervention Preconception and During Pregnancy to Maintain Healthy Glucose Metabolism and Offspring Health ("NiPPeR"): study protocol for a randomised controlled trial. <i>Trials</i> , 2017 , 18, 131	2.8	28
183	Pre-eclampsia Diagnosis and Treatment Options: A Review of Published Economic Assessments. <i>Pharmacoeconomics</i> , 2015 , 33, 1069-82	4.4	28
182	Maternal hair metabolome analysis identifies a potential marker of lipid peroxidation in gestational diabetes mellitus. <i>Acta Diabetologica</i> , 2016 , 53, 119-22	3.9	27
181	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
180	Functional and genetic studies of the angiotensin II type 1 receptor in pre-eclamptic and normotensive pregnant women. <i>Journal of Hypertension</i> , 1997 , 15, 1389-96	1.9	26
179	Oxygen and the liberation of placental factors responsible for vascular compromise. <i>Laboratory Investigation</i> , 2008 , 88, 293-305	5.9	26
178	Tissue transglutaminase expression and activity in placenta. <i>Placenta</i> , 2006 , 27, 148-57	3.4	26
177	Mass spectrometry-based proteomics for pre-eclampsia and preterm birth. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 10952-85	6.3	25
176	Differential mechanisms of endothelium-dependent vasodilator responses in human myometrial small arteries in normal pregnancy and pre-eclampsia. <i>Clinical Science</i> , 2002 , 103, 67	6.5	25
175	Effect of fetal magnetic resonance imaging on fetal heart rate patterns. <i>American Journal of Obstetrics and Gynecology</i> , 2000 , 182, 666-9	6.4	25
174	Mechanisms of endothelium-dependent relaxation in myometrial resistance vessels and their alteration in preeclampsia. <i>Hypertension in Pregnancy</i> , 1999 , 18, 57-71	2	25
173	N-acetylglucosaminyltransferase V inhibits the invasion of trophoblast cells by attenuating MMP2/9 activity in early human pregnancy. <i>Placenta</i> , 2015 , 36, 1291-9	3.4	24
172	Incidence and risk factors for Preeclampsia in a cohort of healthy nulliparous pregnant women: a nested case-control study. <i>Scientific Reports</i> , 2019 , 9, 9517	4.9	24
171	Effect of maternal age and growth on placental nutrient transport: potential mechanisms for teenagers' predisposition to small-for-gestational-age birth?. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2012 , 302, E233-42	6	24
170	Microvascular vasodilator response to acetylcholine is increased in women with pre-eclampsia. <i>British Journal of Obstetrics and Gynaecology</i> , 2001 , 108, 610-614		24
169	Longitudinal study of platelet angiotensin II binding in human pregnancy. <i>Clinical Science</i> , 1992 , 82, 377-815		24
168	A multi-centre phase IIa clinical study of predictive testing for preeclampsia: improved pregnancy outcomes via early detection (IMPROVED). <i>BMC Pregnancy and Childbirth</i> , 2013 , 13, 226	3.2	23
167	Endothelial colony-forming cells derived from pregnancies complicated by intrauterine growth restriction are fewer and have reduced vasculogenic capacity. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2013 , 98, 4953-60	5.6	23

166	Myogenic reactivity is enhanced in rat radial uterine arteries in a model of maternal undernutrition. <i>American Journal of Obstetrics and Gynecology</i> , 2004 , 191, 334-9	6.4	23
165	G protein-coupled receptor 30 regulates trophoblast invasion and its deficiency is associated with preeclampsia. <i>Journal of Hypertension</i> , 2016 , 34, 710-8	1.9	23
164	Use of metabolomics for the identification and validation of clinical biomarkers for preterm birth: Preterm SAMBA. <i>BMC Pregnancy and Childbirth</i> , 2016 , 16, 212	3.2	23
163	The Impact of Caesarean Section on the Risk of Childhood Overweight and Obesity: New Evidence from a Contemporary Cohort Study. <i>Scientific Reports</i> , 2018 , 8, 15113	4.9	23
162	Potential targets for the treatment of preeclampsia. <i>Expert Opinion on Therapeutic Targets</i> , 2015 , 19, 1517-30	6.4	22
161	Analysis of sequential hair segments reflects changes in the metabolome across the trimesters of pregnancy. <i>Scientific Reports</i> , 2018 , 8, 36	4.9	22
160	Reactivity of human placental chorionic plate vessels from pregnancies complicated by intrauterine growth restriction (IUGR). <i>Biology of Reproduction</i> , 2006 , 75, 518-23	3.9	22
159	Dysregulated Expression of RPS4Y1 (Ribosomal Protein S4, Y-Linked 1) Impairs STAT3 (Signal Transducer and Activator of Transcription 3) Signaling to Suppress Trophoblast Cell Migration and Invasion in Preeclampsia. <i>Hypertension</i> , 2018 , 71, 481-490	8.5	21
158	Updated birth weight centiles for England and Wales. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2018 , 103, F577-F582	4.7	21
157	Altered Circulating Inflammatory Cytokines Are Associated with Anovulatory Polycystic Ovary Syndrome (PCOS) Women Resistant to Clomiphene Citrate Treatment. <i>Medical Science Monitor</i> , 2017 , 23, 1083-1089	3.2	20
156	Nutritional Supplementation for the Prevention and/or Treatment of Gestational Diabetes Mellitus. <i>Current Diabetes Reports</i> , 2019 , 19, 73	5.6	20
155	Excessive stimulation of poly(ADP-ribosyl)ation contributes to endothelial dysfunction in pre-eclampsia. <i>British Journal of Pharmacology</i> , 2005 , 144, 772-80	8.6	20
154	Functional characteristics of chorionic plate placental arteries from normal pregnant women and women with pre-eclampsia. <i>Hypertension in Pregnancy</i> , 2002 , 21, 175-83	2	20
153	The Potent Antioxidant MitoQ Protects Against Preeclampsia During Late Gestation but Increases the Risk of Preeclampsia When Administered in Early Pregnancy. <i>Antioxidants and Redox Signaling</i> , 2021 , 34, 118-136	8.4	20
152	Wnt5a inhibited human trophoblast cell line HTR8/SVneo invasion: implications for early placentation and preeclampsia. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2016 , 29, 3532-8	2	19
151	Increased myogenic responses in uterine but not mesenteric arteries from pregnant offspring of diet-restricted rat dams. <i>Biology of Reproduction</i> , 2005 , 72, 997-1003	3.9	19
150	Uterine vasculature remodeling in human pregnancy involves functional macrochimerism by endothelial colony forming cells of fetal origin. <i>Stem Cells</i> , 2013 , 31, 1363-70	5.8	18
149	Sildenafil Therapy Normalizes the Aberrant Metabolomic Profile in the Comt(-/-) Mouse Model of Preeclampsia/Fetal Growth Restriction. <i>Scientific Reports</i> , 2015 , 5, 18241	4.9	18

148	Risk factors and birth outcomes of anaemia in early pregnancy in a nulliparous cohort. <i>PLoS ONE</i> , 2015 , 10, e0122729	3.7	18
147	Association between caesarean section delivery and obesity in childhood: a longitudinal cohort study in Ireland. <i>BMJ Open</i> , 2019 , 9, e025051	3	17
146	Vasoactive effects of neurokinin B on human blood vessels. <i>American Journal of Obstetrics and Gynecology</i> , 2003 , 188, 196-202	6.4	17
145	Imbalance between proliferation and apoptosis-related impaired GPR30 expression is involved in preeclampsia. <i>Cell and Tissue Research</i> , 2016 , 366, 499-508	4.2	17
144	SRC-3 Plays a Critical Role in Human Umbilical Vein Endothelial Cells by Regulating the PI3K/Akt/mTOR Pathway in Preeclampsia. <i>Reproductive Sciences</i> , 2018 , 25, 748-758	3	16
143	Adapting in vitro dual perfusion of the human placenta to soluble oxygen tensions associated with normal and pre-eclamptic pregnancy. <i>Laboratory Investigation</i> , 2011 , 91, 181-9	5.9	16
142	A gel-free quantitative proteomics analysis of factors released from hypoxic-conditioned placentae. <i>Reproductive Sciences</i> , 2010 , 17, 247-57	3	16
141	Acute and chronic modulation of placental chorionic plate artery reactivity by reactive oxygen species. <i>Free Radical Biology and Medicine</i> , 2009 , 47, 159-66	7.8	16
140	Increased Circulating Levels of Vascular Endothelial Growth Factor in Preeclampsia. <i>Hypertension in Pregnancy</i> , 1998 , 17, 283-290	2	16
139	AMPK Hyper-Activation Alters Fatty Acids Metabolism and Impairs Invasiveness of Trophoblasts in Preeclampsia. <i>Cellular Physiology and Biochemistry</i> , 2018 , 49, 578-594	3.9	16
138	Absence of a gestational diabetes phenotype in the LepRdb/+ mouse is independent of control strain, diet, misty allele, or parity. <i>Scientific Reports</i> , 2017 , 7, 45130	4.9	15
137	Integrated Epigenetics, Transcriptomics, and Metabolomics to Analyze the Mechanisms of Benzo[a]pyrene Neurotoxicity in the Hippocampus. <i>Toxicological Sciences</i> , 2018 , 166, 65-81	4.4	15
136	Metabolite Profile of Cervicovaginal Fluids from Early Pregnancy Is Not Predictive of Spontaneous Preterm Birth. <i>International Journal of Molecular Sciences</i> , 2015 , 16, 27741-8	6.3	15
135	Does altered oxygenation or reactive oxygen species alter cell turnover of BeWo choriocarcinoma cells?. <i>Reproductive BioMedicine Online</i> , 2009 , 18, 111-9	4	15
134	G-protein-coupled receptor 30 mediates the effects of estrogen on endothelial cell tube formation in vitro. <i>International Journal of Molecular Medicine</i> , 2017 , 39, 1461-1467	4.4	14
133	Clinical and biochemical factors associated with preeclampsia in women with obesity. <i>Obesity</i> , 2017 , 25, 460-467	8	14
132	Association between maternal exposure to phthalates and lower language ability in offspring derived from hair metabolome analysis. <i>Scientific Reports</i> , 2018 , 8, 6745	4.9	14
131	Hypoxia-induced Downregulation of SRC-3 Suppresses Trophoblastic Invasion and Migration Through Inhibition of the AKT/mTOR Pathway: Implications for the Pathogenesis of Preeclampsia. <i>Scientific Reports</i> , 2019 , 9, 10349	4.9	14

130	Phosphodiesterase inhibitor effect on small artery function in preeclampsia. <i>Hypertension in Pregnancy</i> , 2011 , 30, 144-52	2	14
129	Maternal pathophysiology in pre-eclampsia. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 1999 , 13, 59-75	4.6	14
128	Endoplasmic reticulum stress may activate NLRP3 inflammasomes via TXNIP in preeclampsia. <i>Cell and Tissue Research</i> , 2020 , 379, 589-599	4.2	14
127	Decreased IL-33 Production Contributes to Trophoblast Cell Dysfunction in Pregnancies with Preeclampsia. <i>Mediators of Inflammation</i> , 2018 , 2018, 9787239	4.3	14
126	Gap junctions and hydrogen peroxide are involved in endothelium-derived hyperpolarising responses to bradykinin in omental arteries and veins isolated from pregnant women. <i>European Journal of Pharmacology</i> , 2011 , 668, 225-32	5.3	13
125	The CLIMB (Complex Lipids In Mothers and Babies) study: protocol for a multicentre, three-group, parallel randomised controlled trial to investigate the effect of supplementation of complex lipids in pregnancy, on maternal ganglioside status and subsequent cognitive outcomes in the offspring. <i>BMJ Open</i> , 2017 , 7, e014137	3	13
124	Association of a reduction of G-protein coupled receptor 30 expression and the pathogenesis of preeclampsia. <i>Molecular Medicine Reports</i> , 2017 , 16, 5997-6003	2.9	12
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- 4 Caesarean section delivery and childhood obesity in a British longitudinal cohort study **2019**, 14, e0223856
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