

Philip N Baker

List of Publications by Year in descending order

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278
papers

11,862
citations

23544

58
h-index

38368

95
g-index

280
all docs

280
docs citations

280
times ranked

10436
citing authors

#	ARTICLE	IF	CITATIONS
1	Placental apoptosis in normal human pregnancy. American Journal of Obstetrics and Gynecology, 1997, 177, 57-65.	0.7	377
2	Increased placental apoptosis in intrauterine growth restriction. American Journal of Obstetrics and Gynecology, 1997, 177, 1395-1401.	0.7	346
3	Clinical risk prediction for pre-eclampsia in nulliparous women: development of model in international prospective cohort. BMJ: British Medical Journal, 2011, 342, d1875-d1875.	2.4	343
4	Uterine natural killer cells initiate spiral artery remodeling in human pregnancy. FASEB Journal, 2012, 26, 4876-4885.	0.2	276
5	Increased placental apoptosis in pregnancies complicated by preeclampsia. American Journal of Obstetrics and Gynecology, 2001, 184, 1249-1250.	0.7	249
6	A three-year follow-up of children imaged in utero with echo-planar magnetic resonance. American Journal of Obstetrics and Gynecology, 1994, 170, 32-33.	0.7	243
7	Robust Early Pregnancy Prediction of Later Preeclampsia Using Metabolomic Biomarkers. Hypertension, 2010, 56, 741-749.	1.3	242
8	A three-year follow-up of children imaged in utero with echo-planar magnetic resonance. American Journal of Obstetrics and Gynecology, 1994, 170, 32-33.	0.7	217
9	Nitric Oxide Produced by Endothelial Cells Increases Production of Eicosanoids Through Activation of Prostaglandin H Synthase. Circulation Research, 1995, 77, 274-283.	2.0	202
10	Early Pregnancy Prediction of Preeclampsia in Nulliparous Women, Combining Clinical Risk and Biomarkers. Hypertension, 2014, 64, 644-652.	1.3	193
11	Differences in Apoptotic Susceptibility of Cytotrophoblasts and Syncytiotrophoblasts in Normal Pregnancy to Those Complicated with Preeclampsia and Intrauterine Growth Restriction. American Journal of Pathology, 2003, 162, 637-643.	1.9	186
12	Elevated serum levels of vascular endothelial growth factor in patients with preeclampsia. Obstetrics and Gynecology, 1995, 86, 815-821.	1.2	184
13	Automated workflows for accurate mass-based putative metabolite identification in LC/MS-derived metabolomic datasets. Bioinformatics, 2011, 27, 1108-1112.	1.8	173
14	Metabolic profiling of serum using Ultra Performance Liquid Chromatography and the LTQ-Orbitrap mass spectrometry system. Journal of Chromatography B: Analytical Technologies in the Biomedical and Life Sciences, 2008, 871, 288-298.	1.2	161
15	Uterine Spiral Artery Remodeling Involves Endothelial Apoptosis Induced by Extravillous Trophoblasts Through Fas/FasL Interactions. Arteriosclerosis, Thrombosis, and Vascular Biology, 2005, 25, 102-108.	1.1	155
16	Insulin-like growth factor I and II regulate the life cycle of trophoblast in the developing human placenta. American Journal of Physiology - Cell Physiology, 2008, 294, C1313-C1322.	2.1	151
17	Sildenafil Citrate (Viagra) Enhances Vasodilatation in Fetal Growth Restriction. Journal of Clinical Endocrinology and Metabolism, 2005, 90, 2550-2555.	1.8	147
18	Maternal sildenafil for severe fetal growth restriction (STRIDER): a multicentre, randomised, placebo-controlled, double-blind trial. The Lancet Child and Adolescent Health, 2018, 2, 93-102.	2.7	146

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19	Invasive Trophoblasts Stimulate Vascular Smooth Muscle Cell Apoptosis by a Fas Ligand-Dependent Mechanism. <i>American Journal of Pathology</i> , 2006, 169, 1863-1874.	1.9	140
20	A prospective study of micronutrient status in adolescent pregnancy. <i>American Journal of Clinical Nutrition</i> , 2009, 89, 1114-1124.	2.2	138
21	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, 369-382.	0.5	137
22	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.	1.1	129
23	Reduced Infant Birthweight Consequent Upon Maternal Exposure to Severe Life Events. <i>Psychosomatic Medicine</i> , 2008, 70, 688-694.	1.3	121
24	Fetal-Derived Trophoblast Use the Apoptotic Cytokine Tumor Necrosis Factor- α -Related Apoptosis-Inducing Ligand to Induce Smooth Muscle Cell Death. <i>Circulation Research</i> , 2007, 100, 834-841.	2.0	113
25	Sildenafil Citrate Rescues Fetal Growth in the Catechol- <i>O</i> -Methyl Transferase Knockout Mouse Model. <i>Hypertension</i> , 2012, 59, 1021-1028.	1.3	111
26	Novel biomarkers for pre-eclampsia detected using metabolomics and machine learning. <i>Metabolomics</i> , 2005, 1, 227-234.	1.4	110
27	Trophoblast- and Vascular Smooth Muscle Cell-Derived MMP-12 Mediates Elastolysis during Uterine Spiral Artery Remodeling. <i>American Journal of Pathology</i> , 2010, 177, 2103-2115.	1.9	106
28	Loss of endothelium-dependent relaxation in myometrial resistance arteries in pre-eclampsia. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1997, 104, 1152-1158.	1.1	104
29	Maternal Dietary Patterns and Pregnancy Outcome. <i>Nutrients</i> , 2016, 8, 351.	1.7	104
30	Plasma From Women With Preeclampsia Increases Endothelial Cell Nitric Oxide Production. <i>Hypertension</i> , 1995, 26, 244-248.	1.3	104
31	Assessment of Fetal Lung Growth in Utero with Echo-planar MR Imaging. <i>Radiology</i> , 1999, 210, 197-200.	3.6	101
32	Fetal brain activity in response to a visual stimulus. <i>Human Brain Mapping</i> , 2003, 20, 239-245.	1.9	100
33	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.	2.5	100
34	Metabolic Profiling Uncovers a Phenotypic Signature of Small for Gestational Age in Early Pregnancy. <i>Journal of Proteome Research</i> , 2011, 10, 3660-3673.	1.8	99
35	Non-invasive mapping of placental perfusion. <i>Lancet, The</i> , 1998, 351, 1397-1399.	6.3	97
36	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-R93.	0.9	97

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37	MMP-2 Levels are Elevated in the Plasma of Women Who Subsequently Develop Preeclampsia. Hypertension in Pregnancy, 2005, 24, 103-115.	0.5	92
38	Prevalence and predictors of alcohol use during pregnancy: findings from international multicentre cohort studies. BMJ Open, 2015, 5, e006323.	0.8	92
39	Excessive autophagy induces the failure of trophoblast invasion and vasculature. Journal of Hypertension, 2015, 33, 106-117.	0.3	88
40	Estimation of Fetal Lung Volume Using Echo-Planar Magnetic Resonance Imaging. Obstetrics and Gynecology, 1994, 83, 951-954.	1.2	85
41	Differential mechanisms of endothelium-dependent vasodilator responses in human myometrial small arteries in normal pregnancy and pre-eclampsia. Clinical Science, 2002, 103, 67-73.	1.8	85
42	Detection and Identification of Novel Metabolomic Biomarkers in Preeclampsia. Reproductive Sciences, 2008, 15, 591-597.	1.1	84
43	Preeclampsia Is Associated with Alterations in the p53-Pathway in Villous Trophoblast. PLoS ONE, 2014, 9, e87621.	1.1	80
44	Intra-uterine growth restriction is associated with increased apoptosis and altered expression of proteins in the p53 pathway in villous trophoblast. Apoptosis: an International Journal on Programmed Cell Death, 2011, 16, 135-144.	2.2	78
45	Measurement of fetal liver, brain and placental volumes with echo-planar magnetic resonance imaging. BJOG: an International Journal of Obstetrics and Gynaecology, 1995, 102, 35-39.	1.1	77
46	In vivo perfusion measurements in the human placenta using echo planar imaging at 0.5 T. Magnetic Resonance in Medicine, 1998, 40, 467-473.	1.9	72
47	The effect of vascular origin, oxygen, and tumour necrosis factor alpha on trophoblast invasion of maternal arteries in vitro. Journal of Pathology, 2005, 206, 476-485.	2.1	72
48	Maternal selenium, copper and zinc concentrations in pregnancy associated with small-for-gestational-age infants. Maternal and Child Nutrition, 2014, 10, 327-334.	1.4	72
49	Nitric oxide protects human extravillous trophoblast cells from apoptosis by a cyclic GMP-dependent mechanism and independently of caspase 3 nitrosylation. Experimental Cell Research, 2003, 287, 314-324.	1.2	69
50	Altered cell kinetics in cultured placental villous explants in pregnancies complicated by pre-eclampsia and intrauterine growth restriction. Journal of Pathology, 2004, 204, 11-18.	2.1	68
51	Epidermal growth factor rescues trophoblast apoptosis induced by reactive oxygen species. Apoptosis: an International Journal on Programmed Cell Death, 2007, 12, 1611-1622.	2.2	68
52	Effects of Resveratrol in Pregnancy Using Murine Models with Reduced Blood Supply to the Uterus. PLoS ONE, 2013, 8, e64401.	1.1	68
53	Platelet Angiotensin II Binding and Plasma Renin Concentration, Plasma Renin Substrate and Plasma Angiotensin II in Human Pregnancy. Clinical Science, 1990, 79, 403-408.	1.8	67
54	Integrated Proteomics Pipeline Yields Novel Biomarkers for Predicting Preeclampsia. Hypertension, 2013, 61, 1281-1288.	1.3	67

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55	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 ¹ . <i>Biology of Reproduction</i> , 2011, 84, 440-446.	1.2	66
56	Plasma of Preeclamptic Women Stimulates and Then Inhibits Endothelial Prostacyclin. <i>Hypertension</i> , 1996, 27, 56-61.	1.3	66
57	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, 1085-1088.	2.7	64
58	Fetal brain activity and hemodynamic response to a vibroacoustic stimulus. <i>Human Brain Mapping</i> , 2004, 22, 116-121.	1.9	64
59	Association Between Maternal Alcohol Consumption in Early Pregnancy and Pregnancy Outcomes. <i>Obstetrics and Gynecology</i> , 2013, 122, 830-837.	1.2	61
60	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-R446.	0.9	60
61	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.	1.2	59
62	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.	1.8	58
63	Vascular adaptations to pregnancy in mice: effects on myogenic tone. <i>American Journal of Physiology - Heart and Circulatory Physiology</i> , 2002, 283, H2226-H2233.	1.5	56
64	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.	2.2	56
65	Impaired mitochondrial fusion, autophagy, biogenesis and dysregulated lipid metabolism is associated with preeclampsia. <i>Experimental Cell Research</i> , 2017, 359, 195-204.	1.2	56
66	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, 1283-1290.	0.7	55
67	Early pregnancy metabolite profiling discovers a potential biomarker for the subsequent development of gestational diabetes mellitus. <i>Acta Diabetologica</i> , 2014, 51, 887-890.	1.2	55
68	Placental apoptosis is increased in post-term pregnancies. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 1999, 106, 861-862.	1.1	53
69	Maternal celiac disease autoantibodies bind directly to syncytiotrophoblast and inhibit placental tissue transglutaminase activity. <i>Reproductive Biology and Endocrinology</i> , 2009, 7, 16.	1.4	53
70	Nutritional Intervention Preconception and During Pregnancy to Maintain Healthy Glucose Metabolism and Offspring Health (â€œNiPPeRâ€œ): study protocol for a randomised controlled trial. <i>Trials</i> , 2017, 18, 131.	0.7	53
71	The Receptor for Advanced Glycation End Products (RAGE) Is Elevated in Women with Preeclampsia. <i>Hypertension in Pregnancy</i> , 2003, 22, 173-184.	0.5	52
72	Altered Expression of Regulators of Caspase Activity within Trophoblast of Normal Pregnancies and Pregnancies Complicated by Preeclampsia. <i>Reproductive Sciences</i> , 2008, 15, 1034-1043.	1.1	51

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73	Platelet angiotensin II binding sites in normotensive and hypertensive women. BJOG: an International Journal of Obstetrics and Gynaecology, 1991, 98, 436-440.	1.1	47
74	A comparison of fetal organ measurements by echo-planar magnetic resonance imaging and ultrasound. BJOG: an International Journal of Obstetrics and Gynaecology, 2005, 112, 43-49.	1.1	47
75	Incidence and risk factors for Preeclampsia in a cohort of healthy nulliparous pregnant women: a nested case-control study. Scientific Reports, 2019, 9, 9517.	1.6	47
76	Remodeling of myometrial radial arteries in preeclampsia. American Journal of Obstetrics and Gynecology, 2005, 192, 572-579.	0.7	46
77	Effect of the Anti-Oxidant Tempol on Fetal Growth in a Mouse Model of Fetal Growth Restriction1. Biology of Reproduction, 2012, 87, 25, 1-8.	1.2	45
78	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. BJOG: an International Journal of Obstetrics and Gynaecology, 1999, 106, 122-125.	1.1	44
79	Pregnancy loss managed by cervical dilatation and curettage increases the risk of spontaneous preterm birth. Human Reproduction, 2013, 28, 3197-3206.	0.4	41
80	A Label-free Selected Reaction Monitoring Workflow Identifies a Subset of Pregnancy Specific Glycoproteins as Potential Predictive Markers of Early-onset Pre-eclampsia. Molecular and Cellular Proteomics, 2013, 12, 3148-3159.	2.5	41
81	Maternal Administration of Sildenafil Citrate Alters Fetal and Placental Growth and Fetal Placental Vascular Resistance in the Growth-Restricted Ovine Fetus. Hypertension, 2016, 68, 760-767.	1.3	41
82	Analysis of sequential hair segments reflects changes in the metabolome across the trimesters of pregnancy. Scientific Reports, 2018, 8, 36.	1.6	41
83	The effects of vascular endothelial growth factor on endothelial cells: A potential role in preeclampsia. American Journal of Obstetrics and Gynecology, 2000, 182, 176-183.	0.7	39
84	Hypertensive diseases and eclampsia. Current Opinion in Obstetrics and Gynecology, 2002, 14, 119-125.	0.9	39
85	The Influence of Oxygen and Tumor Necrosis Factor- α on the Cellular Kinetics of Term Placental Villous Explants in Culture. Journal of Histochemistry and Cytochemistry, 2004, 52, 749-757.	1.3	39
86	Spiral artery blood volume in normal pregnancies and those compromised by pre-eclampsia. NMR in Biomedicine, 2008, 21, 376-380.	1.6	39
87	The Potent Antioxidant MitoQ Protects Against Preeclampsia During Late Gestation but Increases the Risk of Preeclampsia When Administered in Early Pregnancy. Antioxidants and Redox Signaling, 2021, 34, 118-136.	2.5	39
88	Plasma from pre-eclamptic women and functional change in myometrial resistance arteries. BJOG: an International Journal of Obstetrics and Gynaecology, 1998, 105, 459-461.	1.1	37
89	Sphingosine-1-Phosphate Acts via Rho-Associated Kinase and Nitric Oxide to Regulate Human Placental Vascular Tone1. Biology of Reproduction, 2006, 74, 88-94.	1.2	37
90	Updated birth weight centiles for England and Wales. Archives of Disease in Childhood: Fetal and Neonatal Edition, 2018, 103, F577-F582.	1.4	37

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91	Myometrial and placental artery reactivity alone cannot explain reduced placental perfusion in pre-eclampsia and intrauterine growth restriction. BJOG: an International Journal of Obstetrics and Gynaecology, 2003, 110, 909-915.	1.1	36
92	A Role for Tissue Transglutaminase in Stabilization of Membrane-Cytoskeletal Particles Shed from the Human Placenta. Biology of Reproduction, 2007, 77, 648-657.	1.2	36
93	Clinical Prediction in Early Pregnancy of Infants Small for Gestational Age by Customised Birthweight Centiles: Findings from a Healthy Nulliparous Cohort. PLoS ONE, 2013, 8, e70917.	1.1	36
94	Functional and genetic studies of the angiotensin II type 1 receptor in pre-eclamptic and normotensive pregnant women. Journal of Hypertension, 1997, 15, 1389-1396.	0.3	35
95	Myo-Inositol, Probiotics, and Micronutrient Supplementation From Preconception for Glycemia in Pregnancy: NiPPeR International Multicenter Double-Blind Randomized Controlled Trial. Diabetes Care, 2021, 44, 1091-1099.	4.3	35
96	Prediction of Small for Gestational Age Infants in Healthy Nulliparous Women Using Clinical and Ultrasound Risk Factors Combined with Early Pregnancy Biomarkers. PLoS ONE, 2017, 12, e0169311.	1.1	35
97	Mass Spectrometry-Based Proteomics for Pre-Eclampsia and Preterm Birth. International Journal of Molecular Sciences, 2015, 16, 10952-10985.	1.8	34
98	N-acetylglucosaminyltransferase V inhibits the invasion of trophoblast cells by attenuating MMP2/9 activity in early human pregnancy. Placenta, 2015, 36, 1291-1299.	0.7	34
99	Maternal hair metabolome analysis identifies a potential marker of lipid peroxidation in gestational diabetes mellitus. Acta Diabetologica, 2016, 53, 119-122.	1.2	34
100	Nutritional Supplementation for the Prevention and/or Treatment of Gestational Diabetes Mellitus. Current Diabetes Reports, 2019, 19, 73.	1.7	34
101	Pre-eclampsia Diagnosis and Treatment Options: A Review of Published Economic Assessments. Pharmacoeconomics, 2015, 33, 1069-1082.	1.7	33
102	G protein-coupled receptor 30 regulates trophoblast invasion and its deficiency is associated with preeclampsia. Journal of Hypertension, 2016, 34, 710-718.	0.3	33
103	Use of metabolomics for the identification and validation of clinical biomarkers for preterm birth: Preterm SAMBA. BMC Pregnancy and Childbirth, 2016, 16, 212.	0.9	33
104	Dysregulated Expression of RPS4Y1 (Ribosomal Protein S4, Y-Linked 1) Impairs STAT3 (Signal Transducer) Tj ETQq0 0 0 rgBT /Overlock 1 Preeclampsia. Hypertension, 2018, 71, 481-490.	1.3	33
105	The Impact of Caesarean Section on the Risk of Childhood Overweight and Obesity: New Evidence from a Contemporary Cohort Study. Scientific Reports, 2018, 8, 15113.	1.6	33
106	Phosphodiesterase-5 inhibitors and omental and placental small artery function in normal pregnancy and pre-eclampsia. European Journal of Obstetrics, Gynecology and Reproductive Biology, 2006, 127, 41-49.	0.5	32
107	Association between caesarean section delivery and obesity in childhood: a longitudinal cohort study in Ireland. BMJ Open, 2019, 9, e025051.	0.8	32
108	Hypoxia-induced Downregulation of SRC-3 Suppresses Trophoblastic Invasion and Migration Through Inhibition of the AKT/mTOR Pathway: Implications for the Pathogenesis of Preeclampsia. Scientific Reports, 2019, 9, 10349.	1.6	31

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109	Risk Factors and Birth Outcomes of Anaemia in Early Pregnancy in a Nulliparous Cohort. <i>PLoS ONE</i> , 2015, 10, e0122729.	1.1	31
110	Effect of fetal magnetic resonance imaging on fetal heart rate patterns. <i>American Journal of Obstetrics and Gynecology</i> , 2000, 182, 666-669.	0.7	30
111	Tissue Transglutaminase Expression and Activity in Placenta. <i>Placenta</i> , 2006, 27, 148-157.	0.7	30
112	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.	0.9	30
113	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-E242.	1.8	29
114	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, 4953-4960.	1.8	29
115	Potential targets for the treatment of preeclampsia. <i>Expert Opinion on Therapeutic Targets</i> , 2015, 19, 1517-1530.	1.5	29
116	Mechanisms of Endothelium-Dependent Relaxation in Myometrial Resistance Vessels and Their Alteration in Preeclampsia. <i>Hypertension in Pregnancy</i> , 1999, 18, 57-71.	0.5	28
117	Oxygen and the liberation of placental factors responsible for vascular compromise. <i>Laboratory Investigation</i> , 2008, 88, 293-305.	1.7	28
118	Decreased IL-33 Production Contributes to Trophoblast Cell Dysfunction in Pregnancies with Preeclampsia. <i>Mediators of Inflammation</i> , 2018, 2018, 1-11.	1.4	28
119	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.	0.5	27
120	Longitudinal study of platelet angiotensin II binding in human pregnancy. <i>Clinical Science</i> , 1992, 82, 377-381.	1.8	26
121	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.	1.8	26
122	Sildenafil Therapy Normalizes the Aberrant Metabolomic Profile in the <i>Comt^{+/+}</i> Mouse Model of Preeclampsia/Fetal Growth Restriction. <i>Scientific Reports</i> , 2015, 5, 18241.	1.6	26
123	A prediction model for short-term neonatal outcomes in severe early-onset fetal growth restriction. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2019, 241, 109-118.	0.5	26
124	Microvascular vasodilator response to acetylcholine is increased in women with pre-eclampsia. <i>British Journal of Obstetrics and Gynaecology</i> , 2001, 108, 610-614.	0.9	25
125	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, 334-339.	0.7	25
126	Reactivity of Human Placental Chorionic Plate Vessels from Pregnancies Complicated by Intrauterine Growth Restriction (IUGR). <i>Biology of Reproduction</i> , 2006, 75, 518-523.	1.2	25

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127	Uterine Vasculature Remodeling in Human Pregnancy Involves Functional Macrochimerism by Endothelial Colony Forming Cells of Fetal Origin. <i>Stem Cells</i> , 2013, 31, 1363-1370.	1.4	25
128	AMPK Hyper-Activation Alters Fatty Acids Metabolism and Impairs Invasiveness of Trophoblasts in Preeclampsia. <i>Cellular Physiology and Biochemistry</i> , 2018, 49, 578-594.	1.1	25
129	Endoplasmic reticulum stress may activate NLRP3 inflammasomes via TXNIP in preeclampsia. <i>Cell and Tissue Research</i> , 2020, 379, 589-599.	1.5	25
130	FUNCTIONAL CHARACTERISTICS OF CHORIONIC PLATE PLACENTAL ARTERIES FROM NORMAL PREGNANT WOMEN AND WOMEN WITH PRE-ECLAMPSIA. <i>Hypertension in Pregnancy</i> , 2002, 21, 175-183.	0.5	24
131	Clinical and biochemical factors associated with preeclampsia in women with obesity. <i>Obesity</i> , 2017, 25, 460-467.	1.5	24
132	Human Placental Growth Hormone Variant in Pathological Pregnancies. <i>Endocrinology</i> , 2018, 159, 2186-2198.	1.4	24
133	Association between phospholipid metabolism in plasma and spontaneous preterm birth: a discovery lipidomic analysis in the cork pregnancy cohort. <i>Metabolomics</i> , 2020, 16, 19.	1.4	24
134	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.	1.4	23
135	Advanced Maternal Age-associated SIRT1 Deficiency Compromises Trophoblast Epithelial-Mesenchymal Transition through an Increase in Vimentin Acetylation. <i>Aging Cell</i> , 2021, 20, e13491.	3.0	23
136	Excessive stimulation of poly(ADP-ribosylation) contributes to endothelial dysfunction in pre-eclampsia. <i>British Journal of Pharmacology</i> , 2005, 144, 772-780.	2.7	22
137	Increased Myogenic Responses in Uterine but not Mesenteric Arteries from Pregnant Offspring of Diet-Restricted Rat Dams ¹ . <i>Biology of Reproduction</i> , 2005, 72, 997-1003.	1.2	22
138	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.	1.1	22
139	Advanced maternal age causes premature placental senescence and malformation via dysregulated Klotho expression in trophoblasts. <i>Aging Cell</i> , 2021, 20, e13417.	3.0	22
140	Vascular Endothelial Growth Factor But Not Placental Growth Factor Promotes Trophoblast Syncytialization In Vitro. <i>Journal of the Society for Gynecologic Investigation</i> , 2001, 8, 341-346.	1.9	21
141	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.	1.8	21
142	Revisiting preeclampsia: a metabolic disorder of the placenta. <i>FEBS Journal</i> , 2022, 289, 336-354.	2.2	21
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, 181-189.	1.7	20
144	Imbalance between proliferation and apoptosis-related impaired GPR30 expression is involved in preeclampsia. <i>Cell and Tissue Research</i> , 2016, 366, 499-508.	1.5	20

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145	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, 3532-3538.	0.7	20
146	Increased Circulating Levels of Vascular Endothelial Growth Factor in Preeclampsia. <i>Hypertension in Pregnancy</i> , 1998, 17, 283-290.	0.5	19
147	Maternal pathophysiology in pre-eclampsia. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 1999, 13, 59-75.	1.4	19
148	Microvascular vasodilator response to acetylcholine is increased in women with pre-eclampsia. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2001, 108, 610-614.	1.1	19
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