

Mark Wareing

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.

79 papers	2,257 citations	26 h-index	44 g-index
87 ext. papers	2,480 ext. citations	3.9 avg, IF	4.54 L-index

#	Paper	IF	Citations
79	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
78	Sildenafil citrate therapy for severe early-onset intrauterine growth restriction. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2011 , 118, 624-8	3.7	133
77	Sildenafil citrate (Viagra) enhances vasodilatation in fetal growth restriction. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 2550-5	5.6	124
76	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
75	Placental Adaptation: What Can We Learn from Birthweight:Placental Weight Ratio?. <i>Frontiers in Physiology</i> , 2016 , 7, 28	4.6	113
74	Obesity and the placenta: A consideration of nutrient exchange mechanisms in relation to aberrant fetal growth. <i>Placenta</i> , 2011 , 32, 1-7	3.4	92
73	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
72	In vivo characterization of renal iron transport in the anaesthetized rat. <i>Journal of Physiology</i> , 2000 , 524 Pt 2, 581-6	3.9	70
71	Characterization of small arteries isolated from the human placental chorionic plate. <i>Placenta</i> , 2002 , 23, 400-9	3.4	68
70	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
69	Selective Targeting of a Novel Vasodilator to the Uterine Vasculature to Treat Impaired Uteroplacental Perfusion in Pregnancy. <i>Theranostics</i> , 2017 , 7, 3715-3731	12.1	54
68	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
67	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
66	Maternal obesity is associated with a reduction in placental taurine transporter activity. <i>International Journal of Obesity</i> , 2015 , 39, 557-64	5.5	44
65	Acute simvastatin increases endothelial nitric oxide synthase phosphorylation via AMP-activated protein kinase and reduces contractility of isolated rat mesenteric resistance arteries. <i>Clinical Science</i> , 2011 , 121, 449-58	6.5	42
64	Sildenafil citrate increases fetal weight in a mouse model of fetal growth restriction with a normal vascular phenotype. <i>PLoS ONE</i> , 2013 , 8, e77748	3.7	41
63	Altered dietary iron intake is a strong modulator of renal DMT1 expression. <i>American Journal of Physiology - Renal Physiology</i> , 2003 , 285, F1050-9	4.3	39

62	Dysregulated flow-mediated vasodilatation in the human placenta in fetal growth restriction. <i>Journal of Physiology</i> , 2015 , 593, 3077-92	3.9	34
61	Chorionic plate artery function and Doppler indices in normal pregnancy and intrauterine growth restriction. <i>European Journal of Clinical Investigation</i> , 2005 , 35, 758-64	4.6	33
60	Effects of dietary nitrate supplementation, from beetroot juice, on blood pressure in hypertensive pregnant women: A randomised, double-blind, placebo-controlled feasibility trial. <i>Nitric Oxide - Biology and Chemistry</i> , 2018 , 80, 37-44	5	31
59	BeWo cells stimulate smooth muscle cell apoptosis and elastin breakdown in a model of spiral artery transformation. <i>Human Reproduction</i> , 2007 , 22, 2834-41	5.7	30
58	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
57	Placental Features of Late-Onset Adverse Pregnancy Outcome. <i>PLoS ONE</i> , 2015 , 10, e0129117	3.7	29
56	Vasoactive responses of veins isolated from the human placental chorionic plate. <i>Placenta</i> , 2003 , 24, 790-6	3.4	29
55	Iron handling and gene expression of the divalent metal transporter, DMT1, in the kidney of the anemic Belgrade (b) rat. <i>Kidney International</i> , 2003 , 64, 1755-64	9.9	29
54	Reactivity of human placental chorionic plate vessels is modified by level of oxygenation: differences between arteries and veins. <i>Placenta</i> , 2006 , 27, 42-8	3.4	28
53	Oxygen and the liberation of placental factors responsible for vascular compromise. <i>Laboratory Investigation</i> , 2008 , 88, 293-305	5.9	26
52	Chorionic plate arterial function is altered in maternal obesity. <i>Placenta</i> , 2013 , 34, 281-7	3.4	25
51	Defining fetal growth restriction in mice: A standardized and clinically relevant approach. <i>Placenta</i> , 2011 , 32, 914-6	3.4	25
50	In vitro assessment of mouse uterine and fetoplacental vascular function. <i>Reproductive Sciences</i> , 2009 , 16, 740-8	3	23
49	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
48	The role of active transport in potassium reabsorption in the proximal convoluted tubule of the anaesthetized rat. <i>Journal of Physiology</i> , 1997 , 500 (Pt 1), 155-64	3.9	21
47	Loss of anti-contractile effect of perivascular adipose tissue in offspring of obese rats. <i>International Journal of Obesity</i> , 2016 , 40, 1205-14	5.5	21
46	Characterisation of tone oscillations in placental and myometrial arteries from normal pregnancies and those complicated by pre-eclampsia and growth restriction. <i>Placenta</i> , 2008 , 29, 356-65	3.4	20
45	Characterisation of K ⁺ channels in human fetoplacental vascular smooth muscle cells. <i>PLoS ONE</i> , 2013 , 8, e57451	3.7	20

44	Oxygen sensitivity, potassium channels, and regulation of placental vascular tone. <i>Microcirculation</i> , 2014 , 21, 58-66	2.9	19
43	Effect of formate and oxalate on fluid reabsorption from the proximal convoluted tubule of the anaesthetized rat. <i>Journal of Physiology</i> , 1994 , 477, 347-54	3.9	19
42	Chronic glucocorticoid exposure potentiates placental chorionic plate artery constriction: implications for aberrant fetoplacental vascular resistance in fetal growth restriction. <i>Endocrinology</i> , 2013 , 154, 876-87	4.8	18
41	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
40	Vasoactive effects of neurokinin B on human blood vessels. <i>American Journal of Obstetrics and Gynecology</i> , 2003 , 188, 196-202	6.4	17
39	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
38	Modulation of human arterial tone during pregnancy: the effect of the bioactive metabolite sphingosine-1-phosphate. <i>Biology of Reproduction</i> , 2007 , 77, 45-52	3.9	16
37	Activation of KV7 channels stimulates vasodilatation of human placental chorionic plate arteries. <i>Placenta</i> , 2015 , 36, 638-44	3.4	14
36	Review: Potassium channels in the human fetoplacental vasculature. <i>Placenta</i> , 2011 , 32 Suppl 2, S203-6	3.4	14
35	System A activity and vascular function in the placental-specific Igf2 knockout mouse. <i>Placenta</i> , 2011 , 32, 871-6	3.4	14
34	Phosphodiesterase inhibitor effect on small artery function in preeclampsia. <i>Hypertension in Pregnancy</i> , 2011 , 30, 144-52	2	14
33	Functional evidence for oxygen-sensitive voltage-gated potassium channels in human placental vasculature. <i>Placenta</i> , 2010 , 31, 553-5	3.4	14
32	Histamine-induced contraction and relaxation of placental chorionic plate arteries. <i>Placenta</i> , 2007 , 28, 1158-64	3.4	14
31	Maternal obesity impairs specific regulatory pathways in human myometrial arteries. <i>Biology of Reproduction</i> , 2014 , 90, 65	3.9	13
30	Glibenclamide inhibits agonist-induced vasoconstriction of placental chorionic plate arteries. <i>Placenta</i> , 2006 , 27, 660-8	3.4	13
29	Estimated potassium reflection coefficient in perfused proximal convoluted tubules of the anaesthetized rat in vivo. <i>Journal of Physiology</i> , 1995 , 488 (Pt 1), 153-61	3.9	13
28	Dietary interventions for fetal growth restriction - therapeutic potential of dietary nitrate supplementation in pregnancy. <i>Journal of Physiology</i> , 2017 , 595, 5095-5102	3.9	12
27	Oxygen tension and normalisation pressure modulate nifedipine-sensitive relaxation of human placental chorionic plate arteries. <i>Placenta</i> , 2006 , 27, 402-10	3.4	12

26	Vasoconstriction of small arteries isolated from the human placental chorionic plate in normal and compromised pregnancy. <i>Hypertension in Pregnancy</i> , 2004 , 23, 237-46	2	12
25	The involvement of Rho-associated kinases in agonist-dependent contractions of human maternal and placental arteries at term gestation. <i>American Journal of Obstetrics and Gynecology</i> , 2005 , 193, 815-24	6.4	12
24	Nitrite mediated vasorelaxation in human chorionic plate vessels is enhanced by hypoxia and dependent on the NO-sGC-cGMP pathway. <i>Nitric Oxide - Biology and Chemistry</i> , 2018 , 80, 82-88	5	12
23	Altered potassium channel expression in the human placental vasculature of pregnancies complicated by fetal growth restriction. <i>Hypertension in Pregnancy</i> , 2008 , 27, 75-86	2	11
22	The kynurenine pathway; A new target for treating maternal features of preeclampsia?. <i>Placenta</i> , 2019 , 84, 44-49	3.4	10
21	Beetroot juice lowers blood pressure and improves endothelial function in pregnant eNOS mice: importance of nitrate-independent effects. <i>Journal of Physiology</i> , 2020 , 598, 4079-4092	3.9	9
20	Effects of oxygen tension and normalization pressure on endothelin-induced constriction of human placental chorionic plate arteries. <i>Journal of the Society for Gynecologic Investigation</i> , 2005 , 12, 488-94		9
19	Melatonin Increases Fetal Weight in Wild-Type Mice but Not in Mouse Models of Fetal Growth Restriction. <i>Frontiers in Physiology</i> , 2018 , 9, 1141	4.6	9
18	Endothelial dysfunction in myometrial arteries of women with gestational diabetes. <i>Diabetes Research and Clinical Practice</i> , 2010 , 89, 134-40	7.4	8
17	Relaxation of human placental arteries and veins by ATP-sensitive potassium channel openers. <i>European Journal of Clinical Investigation</i> , 2007 , 37, 65-72	4.6	8
16	The effect of maternal characteristics on endothelial-dependent relaxation of myometrial arteries. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2006 , 124, 158-63	2.4	8
15	Pomegranate Juice Supplementation Alters Utero-Placental Vascular Function and Fetal Growth in the eNOS Mouse Model of Fetal Growth Restriction. <i>Frontiers in Physiology</i> , 2018 , 9, 1145	4.6	8
14	In vitro assessment of mouse fetal abdominal aortic vascular function. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2014 , 307, R746-54	3.2	7
13	Effects of oxygenation and luminal flow on human placenta chorionic plate blood vessel function. <i>Journal of Obstetrics and Gynaecology Research</i> , 2012 , 38, 185-91	1.9	7
12	An in vitro model of trophoblast invasion of spiral arteries. <i>Methods in Molecular Medicine</i> , 2006 , 122, 59-74		7
11	Insulin Induces Relaxation and Decreases Hydrogen Peroxide-Induced Vasoconstriction in Human Placental Vascular Bed in a Mechanism Mediated by Calcium-Activated Potassium Channels and L-Arginine/Nitric Oxide Pathways. <i>Frontiers in Physiology</i> , 2016 , 7, 529	4.6	7
10	Expression of an electrically silent voltage-gated potassium channel in the human placenta. <i>Journal of Obstetrics and Gynaecology</i> , 2012 , 32, 624-9	1.3	6
9	Kynurenine Relaxes Arteries of Normotensive Women and Those With Preeclampsia. <i>Circulation Research</i> , 2021 , 128, 1679-1693	15.7	5

8	Crossing mice deficient in eNOS with placental-specific Igf2 knockout mice: a new model of fetal growth restriction. <i>Placenta</i> , 2012 , 33, 1052-4	3.4	4
7	Acute hyperglycemia in uterine arteries from pregnant, but not non-pregnant mice, enhances endothelium-dependent relaxation. <i>Vascular Pharmacology</i> , 2007 , 46, 137-43	5.9	4
6	The effect of mode of delivery on placental chorionic plate vascular reactivity. <i>Hypertension in Pregnancy</i> , 2007 , 26, 201-10	2	4
5	Umbilical artery Doppler waveform indices from normal pregnant women are related to vasodilatation of placental chorionic plate small arteries. <i>Journal of Obstetrics and Gynaecology</i> , 2005 , 25, 248-52	1.3	4
4	The atrial natriuretic peptide (ANP) knockout mouse does not exhibit the phenotypic features of pre-eclampsia or demonstrate fetal growth restriction. <i>Placenta</i> , 2016 , 42, 25-7	3.4	2
3	Exposure to omentum adipose tissue conditioned medium from obese pregnant women promotes myometrial artery dysfunction. <i>Journal of Obstetrics and Gynaecology Research</i> , 2018 , 44, 124-133	1.9	1
2	Iron Is Filtered by the Kidney and Is Reabsorbed by the Proximal Tubule. <i>Frontiers in Physiology</i> , 2021 , 12, 740716	4.6	0
1	Reversed umbilical arterial end diastolic flow, sildenafil treatment and early stillbirths. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2012 , 119, 510-510	3.7	