

Ed D Johnstone

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.

64

papers

1,153

citations

21

h-index

31

g-index

66

ext. papers

1,400

ext. citations

4.5

avg, IF

4.39

L-index

#	Paper	IF	Citations
64	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
63	R1 and R2 * changes in the human placenta in response to maternal oxygen challenge. <i>Magnetic Resonance in Medicine</i> , 2013 , 70, 1427-33	4.4	59
62	Epidermal growth factor stimulation of trophoblast differentiation requires MAPK11/14 (p38 MAP kinase) activation. <i>Biology of Reproduction</i> , 2005 , 73, 1282-8	3.9	51
61	Proinflammatory cytokines inhibit human placental 11beta-hydroxysteroid dehydrogenase type 2 activity through Ca ²⁺ and cAMP pathways. <i>American Journal of Physiology - Endocrinology and Metabolism</i> , 2006 , 290, E282-8	6	49
60	Fetoplacental vascular alterations associated with fetal growth restriction. <i>Placenta</i> , 2014 , 35, 808-15	3.4	47
59	MR Imaging Measurements of Altered Placental Oxygenation in Pregnancies Complicated by Fetal Growth Restriction. <i>Radiology</i> , 2017 , 285, 953-960	20.5	39
58	Whole organ vascular casting and microCT examination of the human placental vascular tree reveals novel alterations associated with pregnancy disease. <i>Scientific Reports</i> , 2017 , 7, 4144	4.9	36
57	Multiple anti-apoptotic pathways stimulated by EGF in cytotrophoblasts. <i>Placenta</i> , 2005 , 26, 548-55	3.4	36
56	Sphingosine-1-phosphate inhibition of placental trophoblast differentiation through a G(i)-coupled receptor response. <i>Journal of Lipid Research</i> , 2005 , 46, 1833-9	6.3	36
55	IFPA Gbor Than Award Lecture: Recognition of placental failure is key to saving babiesSlives. <i>Placenta</i> , 2015 , 36 Suppl 1, S20-8	3.4	35
54	Dysregulated flow-mediated vasodilatation in the human placenta in fetal growth restriction. <i>Journal of Physiology</i> , 2015 , 593, 3077-92	3.9	34
53	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
52	Placental Features of Late-Onset Adverse Pregnancy Outcome. <i>PLoS ONE</i> , 2015 , 10, e0129117	3.7	29
51	Review: Modelling placental amino acid transfer--from transporters to placental function. <i>Placenta</i> , 2013 , 34 Suppl, S46-51	3.4	27
50	Integration of computational modeling with membrane transport studies reveals new insights into amino acid exchange transport mechanisms. <i>FASEB Journal</i> , 2015 , 29, 2583-94	0.9	26
49	Placental MRI and its application to fetal intervention. <i>Prenatal Diagnosis</i> , 2020 , 40, 38-48	3.2	26
48	Human placental oxygenation in late gestation: experimental and theoretical approaches. <i>Journal of Physiology</i> , 2018 , 596, 5523-5534	3.9	25

47	Continuous objective recording of fetal heart rate and fetal movements could reliably identify fetal compromise, which could reduce stillbirth rates by facilitating timely management. <i>Medical Hypotheses</i> , 2014 , 83, 410-7	3.8	25
46	Differential proteomic analysis of highly purified placental cytotrophoblasts in pre-eclampsia demonstrates a state of increased oxidative stress and reduced cytotrophoblast antioxidant defense. <i>Proteomics</i> , 2011 , 11, 4077-84	4.8	25
45	Computational modelling of amino acid exchange and facilitated transport in placental membrane vesicles. <i>Journal of Theoretical Biology</i> , 2015 , 365, 352-64	2.3	24
44	Computational modelling of placental amino acid transfer as an integrated system. <i>Biochimica Et Biophysica Acta - Biomembranes</i> , 2016 , 1858, 1451-61	3.8	23
43	The impact of IVF on birthweight from 1991 to 2015: a cross-sectional study. <i>Human Reproduction</i> , 2019 , 34, 920-931	5.7	21
42	Absence of PO ₂ change in fetal brain despite PO ₂ increase in placenta in response to maternal oxygen challenge. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2014 , 121, 1588-94	3.7	21
41	Post-natal investigations: management and prognosis for fetuses with CNS anomalies identified in utero excluding neurosurgical problems. <i>Prenatal Diagnosis</i> , 2009 , 29, 442-9	3.2	19
40	The impact of selected embryo culture conditions on ART treatment cycle outcomes: a UK national study. <i>Human Reproduction Open</i> , 2020 , 2020, hoz031	6.1	18
39	Gestational age at birth and risk of intellectual disability without a common genetic cause. <i>European Journal of Epidemiology</i> , 2018 , 33, 667-678	12.1	17
38	A randomised controlled trial comparing standard or intensive management of reduced fetal movements after 36 weeks gestation--a feasibility study. <i>BMC Pregnancy and Childbirth</i> , 2013 , 13, 95	3.2	17
37	Vitamin D attenuates sphingosine-1-phosphate (S1P)-mediated inhibition of extravillous trophoblast migration. <i>Placenta</i> , 2017 , 60, 1-8	3.4	16
36	Parental decision-making following a prenatal diagnosis that is lethal, life-limiting, or has long term implications for the future child and family: a meta-synthesis of qualitative literature. <i>BMC Medical Ethics</i> , 2019 , 20, 56	2.9	15
35	Third trimester placental volume and biometry measurement: A method-development study. <i>Placenta</i> , 2016 , 42, 51-8	3.4	15
34	Maternal perception of fetal movements in late pregnancy is affected by type and duration of fetal movement. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2016 , 29, 2145-50	2	14
33	Fractional fetal thigh volume in the prediction of normal and abnormal fetal growth during the third trimester of pregnancy. <i>American Journal of Obstetrics and Gynecology</i> , 2017 , 217, 453.e1-453.e12	6.4	14
32	Epidermal growth factor and sphingosine-1-phosphate stimulate Na ⁺ /H ⁺ exchanger activity in the human placental syncytiotrophoblast. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2007 , 293, R2290-4	3.2	14
31	A clinical evaluation of placental growth factor in routine practice in high-risk women presenting with suspected pre-eclampsia and/or fetal growth restriction. <i>Pregnancy Hypertension</i> , 2018 , 14, 234-239	2.6	13
30	Phenylalanine transfer across the isolated perfused human placenta: an experimental and modeling investigation. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2016 , 310, R828-36	3.2	13

29	Antenatal placental assessment in the prediction of adverse pregnancy outcome after reduced fetal movement. <i>PLoS ONE</i> , 2018 , 13, e0206533	3.7	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	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	2.4	12
26	Mortality in the UK STRIDER trial of sildenafil therapy for the treatment of severe early-onset fetal growth restriction. <i>The Lancet Child and Adolescent Health</i> , 2019 , 3, e2-e3	14.5	11
25	The effect of labetalol and nifedipine MR on blood pressure in women with chronic hypertension in pregnancy. <i>Pregnancy Hypertension</i> , 2018 , 11, 92-98	2.6	10
24	R1 changes in the human placenta at 3 T in response to a maternal oxygen challenge protocol. <i>Placenta</i> , 2016 , 39, 151-3	3.4	10
23	Professionals' views of fetal-monitoring support the development of devices to provide objective longer-term assessment of fetal wellbeing. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2016 , 29, 1680-6	2	7
22	Intraexaminer and Interexaminer Variability in 3D Fetal Volume Measurements During the Second and Third Trimesters of Pregnancy. <i>Journal of Ultrasound in Medicine</i> , 2017 , 36, 1415-1429	2.9	6
21	A massively multi-scale approach to characterizing tissue architecture by synchrotron micro-CT applied to the human placenta. <i>Journal of the Royal Society Interface</i> , 2021 , 18, 20210140	4.1	6
20	A mixed-methods evaluation of continuous electronic fetal monitoring for an extended period. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2018 , 97, 1515-1523	3.8	5
19	Women's experiences of continuous fetal monitoring - a mixed-methods systematic review. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2017 , 96, 1404-1413	3.8	5
18	Prenatal diagnosis of frontonasal dysplasia using 3D ultrasound. <i>Prenatal Diagnosis</i> , 2008 , 28, 1075-6	3.2	5
17	The impact of COVID-19 on pregnancy outcomes in a diverse cohort in England. <i>Scientific Reports</i> , 2022 , 12, 942	4.9	5
16	Postnatal Enalapril to Improve Cardiovascular Function Following Preterm Preeclampsia (PICK-UP):: A Randomized Double-Blind Placebo-Controlled Feasibility Trial. <i>Hypertension</i> , 2020 , 76, 1828-1837	8.5	5
15	Ultrasound presentation of Pallister-Killian syndrome with a prominent sacral appendage. <i>Ultrasound in Obstetrics and Gynecology</i> , 2012 , 40, 239-41	5.8	4
14	Women's lived experiences of a prenatal diagnosis of fetal growth restriction at the limits of viability: An interpretative phenomenological study. <i>Midwifery</i> , 2019 , 76, 110-117	2.8	3
13	Targeted Delivery of Epidermal Growth Factor to the Human Placenta to Treat Fetal Growth Restriction. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
12	Associations of IVF singleton birthweight and gestation with clinical treatment and laboratory factors: a multicentre cohort study. <i>Human Reproduction</i> , 2020 , 35, 2860-2870	5.7	3

11	Can information regarding the index stillbirth determine risk of adverse outcome in a subsequent pregnancy? Findings from a single-center cohort study. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2021 , 100, 1326-1335	3.8	3
10	Intra-placental arterial Doppler: A marker of fetoplacental vascularity in late-onset placental disease?. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2020 , 99, 865-874	3.8	2
9	MANAGEMENT OF REDUCED FETAL MOVEMENTS. <i>Fetal and Maternal Medicine Review</i> , 2013 , 24, 201-231		2
8	Personalising cardiovascular network models in pregnancy: A two-tiered parameter estimation approach. <i>International Journal for Numerical Methods in Biomedical Engineering</i> , 2021 , 37, e3267	2.6	2
7	Evaluating the accuracy and precision of sonographic fetal weight estimation models in extremely early-onset fetal growth restriction. <i>Acta Obstetrica Et Gynecologica Scandinavica</i> , 2020 , 99, 364-373	3.8	2
6	Effect of sildenafil on maternal hemodynamics in pregnancies complicated by severe early-onset fetal growth restriction: planned subgroup analysis from a multicenter randomized placebo-controlled double-blind trial. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020 , 55, 198-209	5.8	2
5	Risk stratification for early-onset fetal growth restriction in women with abnormal serum biomarkers: a retrospective cohort study. <i>Scientific Reports</i> , 2020 , 10, 22259	4.9	1
4	Micro-haemodynamics at the maternal-fetal interface: experimental, theoretical and clinical perspectives. <i>Current Opinion in Biomedical Engineering</i> , 2022 , 100387	4.4	1
3	The rise and rise of angiogenic biomarkers in the third trimester of pregnancy. <i>The Lancet Child and Adolescent Health</i> , 2018 , 2, 545-546	14.5	
2	Obstetrics for the anaesthetist35-43		
1	The sexual and reproductive health of women with mental illness: a primary care registry study.. <i>Archives of Women's Mental Health</i> , 2022 , 1	5	