

Alec Welsh

List of Publications by Year in descending order

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Version: 2024-02-01

90
papers

1,748
citations

304368

22
h-index

301761

39
g-index

102
all docs

102
docs citations

102
times ranked

1516
citing authors

#	ARTICLE	IF	CITATIONS
1	Caseload midwifery care versus standard maternity care for women of any risk: M@NGO, a randomised controlled trial. <i>Lancet, The</i> , 2013, 382, 1723-1732.	6.3	220
2	Evaluation of Conventional Doppler Fetal Cardiac Function Parameters: E/A Ratios, Outflow Tracts, and Myocardial Performance Index. <i>Fetal Diagnosis and Therapy</i> , 2012, 32, 22-29.	0.6	126
3	Fetal cystoscopy in the management of fetal obstructive uropathy: experience in a single European centre. <i>Prenatal Diagnosis</i> , 2003, 23, 1033-1041.	1.1	99
4	Guidelines for the use of recombinant activated factor VII in massive obstetric haemorrhage. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2008, 48, 12-16.	0.4	91
5	Reproducibility of regional placental vascularity/perfusion measurement using 3D power Doppler. <i>Ultrasound in Obstetrics and Gynecology</i> , 2010, 36, 202-209.	0.9	64
6	Maternal intramuscular dexamethasone versus betamethasone before preterm birth (ASTEROID): a multicentre, double-blind, randomised controlled trial. <i>The Lancet Child and Adolescent Health</i> , 2019, 3, 769-780.	2.7	47
7	Fetal left modified myocardial performance index: technical refinements in obtaining pulsed Doppler waveforms. <i>Ultrasound in Obstetrics and Gynecology</i> , 2012, 39, 421-429.	0.9	44
8	Influence of power Doppler gain setting on Virtual Organ Computer-aided AnaLysis indices <i>in vivo</i> : can use of the individual sub-noise gain level optimize information?. <i>Ultrasound in Obstetrics and Gynecology</i> , 2012, 40, 75-80.	0.9	42
9	Lessons to be learnt in managing the breech presentation at term: An 11-year single-centre retrospective study. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2014, 54, 333-339.	0.4	41
10	The "Volumetric" Pulsatility Index as Evaluated by Spatiotemporal Imaging Correlation (STIC): A Preliminary Description of a Novel Technique, Its Application to the Endometrium and an Evaluation of Its Reproducibility. <i>Ultrasound in Medicine and Biology</i> , 2011, 37, 2160-2168.	0.7	40
11	A randomised controlled trial of caseload midwifery care: M@NGO (Midwives @ New Group practice) <i>Tj ETQq1 1 0.784314 rgBT /Ove</i>	0.9	40
12	Cervical screening for preterm delivery. <i>Current Opinion in Obstetrics and Gynecology</i> , 2002, 14, 195-202.	0.9	39
13	A common sleep disorder in pregnancy: Restless legs syndrome and its predictors. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2011, 51, 262-264.	0.4	39
14	Three-dimensional Doppler evaluation of single spherical samples from the placenta: intra- and interobserver reliability. <i>Ultrasound in Obstetrics and Gynecology</i> , 2012, 40, 200-206.	0.9	39
15	The (Pulsed-Wave) Doppler Fetal Myocardial Performance Index: Technical Challenges, Clinical Applications and Future Research. <i>Fetal Diagnosis and Therapy</i> , 2015, 38, 1-13.	0.6	39
16	Twin Fetuses: Intravascular Microbubble US Contrast Agent Administration "Early Experience. <i>Radiology</i> , 2000, 214, 724-728.	3.6	37
17	Development of Australian Reference Ranges for the Left Fetal Modified Myocardial Performance Index and the Influence of Caliper Location on Time Interval Measurement. <i>Fetal Diagnosis and Therapy</i> , 2012, 32, 87-95.	0.6	37
18	Immediate outcome of twin-twin transfusion syndrome following selective laser photocoagulation of communicating vessels at the NSW Fetal Therapy Centre. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2010, 50, 112-119.	0.4	27

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19	Australian maternity reform through clinical redesign. <i>Australian Health Review</i> , 2012, 36, 169.	0.5	27
20	Methodological considerations for the correct application of quantitative three-dimensional power Doppler angiography. <i>Ultrasound in Obstetrics and Gynecology</i> , 2008, 32, 115-117.	0.9	26
21	Monitoring intrahepatic cholestasis of pregnancy using the fetal myocardial performance index: a cohort study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2015, 46, 571-578.	0.9	25
22	Reproducibility of constituent time intervals of right and left fetal modified myocardial performance indices on pulsed Doppler echocardiography: a short report. <i>Ultrasound in Obstetrics and Gynecology</i> , 2012, 39, 654-658.	0.9	24
23	Development of three-dimensional power Doppler ultrasound imaging of fetoplacental vasculature. <i>Ultrasound in Medicine and Biology</i> , 2001, 27, 1161-1170.	0.7	22
24	Spatiotemporal image correlation-derived volumetric Doppler impedance indices from spherical samples of the placenta: intraobserver reliability and correlation with conventional umbilical artery Doppler indices. <i>Ultrasound in Obstetrics and Gynecology</i> , 2012, 40, 431-436.	0.9	22
25	Standardization of power Doppler quantification of blood flow in the human fetus using the aorta and inferior vena cava. <i>Ultrasound in Obstetrics and Gynecology</i> , 2005, 26, 33-43.	0.9	21
26	Opinion: Integration of diagnostic and management perspectives for placenta accreta. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2009, 49, 578-587.	0.4	21
27	Long term developmental outcomes of pre-school age children following laser surgery for twin-to-twin transfusion syndrome. <i>Early Human Development</i> , 2014, 90, 837-842.	0.8	19
28	Quantitative digital analysis of regional placental perfusion using power Doppler in placental abruption. <i>Ultrasound in Obstetrics and Gynecology</i> , 2001, 17, 203-208.	0.9	18
29	Technical Considerations for Measurement of the Fetal Left Modified Myocardial Performance Index. <i>Fetal Diagnosis and Therapy</i> , 2012, 31, 76-80.	0.6	18
30	The Aortic Isthmus: A Significant yet Underexplored Watershed of the Fetal Circulation. <i>Fetal Diagnosis and Therapy</i> , 2016, 40, 81-93.	0.6	18
31	Why such differing stances? A review of position statements on home birth from professional colleges. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2016, 123, 376-382.	1.1	18
32	Development of Normal Gestational Ranges for the Right Myocardial Performance Index in the Australian Population with Three Alternative Caliper Placements. <i>Fetal Diagnosis and Therapy</i> , 2014, 36, 272-281.	0.6	17
33	Freehand three-dimensional Doppler demonstration of monochorionic vascular anastomoses in vivo: a preliminary report. <i>Ultrasound in Obstetrics and Gynecology</i> , 2001, 18, 317-324.	0.9	16
34	Limited evidence for calcium supplementation in preeclampsia prevention: a meta-analysis and systematic review. <i>Hypertension in Pregnancy</i> , 2015, 34, 181-203.	0.5	16
35	A caution regarding standardization of power Doppler to measure perfusion in placental tissue. <i>Ultrasound in Obstetrics and Gynecology</i> , 2008, 31, 111-112.	0.9	15
36	The ethics of obtaining consent in labour for research. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2011, 51, 485-492.	0.4	15

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37	Use of Four-Dimensional Analysis of Power Doppler Perfusion Indices to Demonstrate Cardiac Cycle Pulsatility in Fetoplacental Flow. <i>Ultrasound in Medicine and Biology</i> , 2012, 38, 1345-1351.	0.7	14
38	Collaboration in Maternity Care is achievable and practical. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2012, 52, 576-581.	0.4	14
39	Evaluation of an automated fetal myocardial performance index. <i>Ultrasound in Obstetrics and Gynecology</i> , 2016, 48, 496-503.	0.9	14
40	Fetal myocardial performance index in assessment and management of small-for-gestational-age fetus: a cohort and nested case-control study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2018, 51, 225-235.	0.9	14
41	The diagnostic indicators of gestational diabetes mellitus from second trimester to birth: a systematic review. <i>Clinical Diabetes and Endocrinology</i> , 2021, 7, 19.	1.3	14
42	Hyperemesis, gastrointestinal and liver disorders in pregnancy. <i>Current Obstetrics & Gynaecology</i> , 2005, 15, 123-131.	0.2	13
43	Assessment of fetal renal perfusion by power Doppler digital analysis. <i>Ultrasound in Obstetrics and Gynecology</i> , 2001, 17, 89-91.	0.9	12
44	Inapplicability of fractional moving blood volume technique to standardize Virtual Organ Computer-aided Analysis indices for quantified three-dimensional power Doppler. <i>Ultrasound in Obstetrics and Gynecology</i> , 2012, 40, 688-692.	0.9	12
45	Maternal Morbidity of Women Receiving Birth Center Care in New South Wales: A Matched Pair Analysis Using Linked Health Data. <i>Birth</i> , 2014, 41, 268-275.	1.1	11
46	Review of the correlation between blood flow velocity and polycythemia in the fetus, neonate and adult: appropriate diagnostic levels need to be determined for twin anemia-polycythemia sequence. <i>Ultrasound in Obstetrics and Gynecology</i> , 2016, 47, 152-157.	0.9	11
47	Multi-Parametric Fusion of 3D Power Doppler Ultrasound for Fetal Kidney Segmentation Using Fully Convolutional Neural Networks. <i>IEEE Journal of Biomedical and Health Informatics</i> , 2021, 25, 2050-2057.	3.9	11
48	Evaluation of Neonatal Regional Cerebral Perfusion Using Power Doppler and the Index Fractional Moving Blood Volume. <i>Neonatology</i> , 2012, 101, 254-259.	0.9	10
49	Randomised controlled trials and clinical maternity care: moving on from intention-to-treat and other simplistic analyses of efficacy. <i>BMC Pregnancy and Childbirth</i> , 2013, 13, 15.	0.9	10
50	Ex vivo delineation of placental angioarchitecture with the microbubble contrast agent Levovist. <i>American Journal of Obstetrics and Gynecology</i> , 2000, 182, 966-971.	0.7	9
51	ENDOSCOPIC MANAGEMENT OF FETAL OBSTRUCTIVE UROPATHY. <i>Journal of Urology</i> , 1999, , 108.	0.2	8
52	Selection of the Sub-noise Gain Level for Acquisition of VOCAL Data Sets: A Reliability Study. <i>Ultrasound in Medicine and Biology</i> , 2014, 40, 562-567.	0.7	7
53	Is There a Measurable Difference between the Left and Right Modified Myocardial Performance Indices, and Does This Change to Reflect Unilateral Myocardial Dysfunction in Pathology?. <i>Fetal Diagnosis and Therapy</i> , 2015, 38, 288-295.	0.6	7
54	Audit of immediate outcomes for MCDA twins following laser therapy for twin-twin transfusion syndrome at the NSW Fetal Therapy Centre. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2016, 56, 289-294.	0.4	6

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55	Beat-to-beat variability of fetal myocardial performance index. <i>Ultrasound in Obstetrics and Gynecology</i> , 2017, 50, 215-220.	0.9	6
56	Automation of the Fetal Right Myocardial Performance Index to Optimise Repeatability. <i>Fetal Diagnosis and Therapy</i> , 2018, 44, 28-35.	0.6	6
57	The short term fetal cardiovascular effects of corticosteroids used in obstetrics. <i>Australasian Journal of Ultrasound in Medicine</i> , 2013, 16, 135-141.	0.3	5
58	Reference Ranges for Neonatal Basal Ganglia Perfusion as Measured by Fractional Moving Blood Volume. <i>Neonatology</i> , 2016, 109, 91-96.	0.9	5
59	Feasibility of image registration and fusion for evaluation of structure and perfusion of the entire second trimester placenta by three-dimensional power Doppler ultrasound. <i>Placenta</i> , 2020, 94, 13-19.	0.7	5
60	Outcomes of stage I TTTS or liquor discordant twins: a single-centre review. <i>Prenatal Diagnosis</i> , 2016, 36, 507-514.	1.1	4
61	Antenatal Uterine Rupture in a Primigravida (associated with undisclosed previous uterine surgery). <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 1999, 39, 368-370.	0.4	3
62	Residual Pelvic Fluid Using Two Types of Drains at Laparoscopy. <i>Obstetrics and Gynecology</i> , 2008, 111, 1293-1297.	1.2	3
63	Comprehension of power Doppler quantification and a missed opportunity for landmark research. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011, 37, 373-374.	0.9	3
64	Re: Assessing repeatability of 3D Doppler indices obtained by static 3D and STIC power Doppler: a combined in-vivo/in-vitro flow phantom study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2013, 42, 608-608.	0.9	3
65	Inapplicability of <sc>FMBV</sc> to <sc>VOCAL</sc> indices and the amplitude origin of power Doppler. <i>Ultrasound in Obstetrics and Gynecology</i> , 2013, 41, 473-474.	0.9	3
66	Use of the Myocardial Performance Index in Decreased Fetal Movement Assessment: A Case-Control Study. <i>Fetal Diagnosis and Therapy</i> , 2018, 43, 208-217.	0.6	3
67	Isolated "soft signs" of fetal choroid plexus cysts or echogenic intracardiac focus "consequences of their continued reporting. <i>Australasian Journal of Ultrasound in Medicine</i> , 2019, 22, 253-264.	0.3	3
68	Regional variation in power Doppler perfusion measurements within normal placenta. <i>Ultrasound in Obstetrics and Gynecology</i> , 2001, 18, F08-F08.	0.9	2
69	Basal ganglia perfusion in the preterm infant during transition. <i>Pediatric Research</i> , 2016, 80, 573-576.	1.1	2
70	Spatiotemporal Image Correlation and Volumetric Impedance Indices in the Neonatal Brain. <i>Journal of Ultrasound in Medicine</i> , 2016, 35, 505-510.	0.8	2
71	Short-term outcomes following intrauterine transfusions for fetal anaemia: A retrospective cohort study. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> , 2020, 60, 738-745.	0.4	2
72	Development and evaluation of an online questionnaire to identify women at high and low risk of developing gestational diabetes mellitus. <i>BMC Pregnancy and Childbirth</i> , 2022, 22, 321.	0.9	2

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73	Quantification of fetal power Doppler: determination of the intravascular standardization point. <i>Ultrasound in Obstetrics and Gynecology</i> , 2001, 18, F12-F12.	0.9	1
74	OP08.06: Reproducibility of component time intervals measured by fetal pulse Doppler echocardiography for the fetal modified myocardial performance index (Mod-MPI). <i>Ultrasound in Obstetrics and Gynecology</i> , 2010, 36, 75-75.	0.9	1
75	P12.02: Reference ranges for the Mod-MPI (modified myocardial performance index) in normal fetuses within an Australian population using the previously published technique and a new peak valve click selection technique. <i>Ultrasound in Obstetrics and Gynecology</i> , 2010, 36, 212-212.	0.9	1
76	Applying spatial-temporal image correlation to the fetal kidney: Repeatability of 3D segmentation and volumetric impedance indices. <i>Australasian Journal of Ultrasound in Medicine</i> , 2018, 21, 169-178.	0.3	1
77	Four-Dimensional Ultrasound for Evaluating Newborn Cardiac Output: A Pilot Study of Healthy Infants. <i>Neonatology</i> , 2019, 116, 115-122.	0.9	1
78	Short-Term Effects of Dexamethasone versus Betamethasone on Ultrasonic Measures of Fetal Well-Being: Cohort from a Blinded, Randomized Trial. <i>Fetal Diagnosis and Therapy</i> , 2021, 48, 526-540.	0.6	1
79	The Influence of Hyperoxygenation on Fetal Brain Vascularity Measured Using 3D Power Doppler Ultrasound and the Index "Fractional Moving Blood Volume". <i>Fetal Diagnosis and Therapy</i> , 2021, 48, 1-9.	0.6	1
80	F63Ultrasound guided fetal cystoscopic therapy for posterior urethral valves (PUV). <i>Ultrasound in Obstetrics and Gynecology</i> , 2000, 16, 50-50.	0.9	0
81	F80Three dimensional ultrasound reconstruction of monochorionic placental anastomoses. <i>Ultrasound in Obstetrics and Gynecology</i> , 2000, 16, 54-54.	0.9	0
82	OP11.08: Assessment of regional placental vascularity/perfusion using 3D power Doppler and the index "fractional moving blood volume". <i>Ultrasound in Obstetrics and Gynecology</i> , 2009, 34, 97-97.	0.9	0
83	OP08.05: Fetal left myocardial performance (Tei) index: improving reproducibility using wall motion filter setting and peak of valve clicks. <i>Ultrasound in Obstetrics and Gynecology</i> , 2010, 36, 75-75.	0.9	0
84	OP08.07: The modified fetal myocardial performance (Tei) index in gestational diabetic mothers. <i>Ultrasound in Obstetrics and Gynecology</i> , 2010, 36, 75-76.	0.9	0
85	The development of, and future for, fetal functional cardiac imaging techniques. <i>Australasian Journal of Ultrasound in Medicine</i> , 2014, 17, 57-60.	0.3	0
86	Spatio-temporal Image Correlation (STIC): Estimation of Heart Rate Using STIC Compared with 2-D Pulsed Wave Doppler in a Flow Phantom. <i>Ultrasound in Medicine and Biology</i> , 2017, 43, 2507-2508.	0.7	0
87	Novel spatial-temporal image correlation derived indices of tissue vascular impedance: A variability study. <i>Australasian Journal of Ultrasound in Medicine</i> , 2017, 20, 115-122.	0.3	0
88	Effect of maternal corticosteroid provision on middle cerebral artery peak systolic velocity readings in the potentially anaemic fetus prior to planned intrauterine transfusion. <i>Australasian Journal of Ultrasound in Medicine</i> , 2020, 23, 52-58.	0.3	0
89	Healthcare providers' concern regarding smoking cessation pharmacotherapies during pregnancy: Calls to a teratology information service. <i>Drug and Alcohol Review</i> , 2020, 39, 223-231.	1.1	0
90	Evaluation of Neonatal Cerebral Perfusion Using Three-dimensional Power Doppler Ultrasound Volumes. <i>Acta Paediatrica, International Journal of Paediatrics</i> , 2021, . .	0.7	0