

# Anna L David

## List of Publications by Year in Descending Order

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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.

229  
papers

4,828  
citations

39  
h-index

61  
g-index

269  
ext. papers

5,915  
ext. citations

4  
avg, IF

5.77  
L-index

#	Paper	IF	Citations
229	Management and outcomes of extreme preterm birth.. <i>BMJ, The</i> , <b>2022</b> , 376, e055924	5.9	6
228	Microbial-driven preterm labour involves crosstalk between the innate and adaptive immune response.. <i>Nature Communications</i> , <b>2022</b> , 13, 975	17.4	4
227	Patient-centred consent in women's health: does it really work in antenatal and intra-partum care?. <i>BMC Pregnancy and Childbirth</i> , <b>2022</b> , 22, 156	3.2	0
226	Developments in functional imaging of the placenta.. <i>British Journal of Radiology</i> , <b>2022</b> , 20211010	3.4	1
225	Deep learning-based plane pose regression in obstetric ultrasound.. <i>International Journal of Computer Assisted Radiology and Surgery</i> , <b>2022</b> , 17, 833	3.9	1
224	COVID-19 and vertical transmission: assessing the expression of ACE2/TMPRSS2 in the human fetus and placenta to assess the risk of SARS-CoV-2 infection. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , <b>2021</b> ,	3.7	6
223	What brain abnormalities can magnetic resonance imaging detect in foetal and early neonatal spina bifida: a systematic review. <i>Neuroradiology</i> , <b>2021</b> , 64, 233	3.2	1
222	Super-resolution Reconstruction MRI Application in Fetal Neck Masses and Congenital High Airway Obstruction Syndrome. <i>OTO Open</i> , <b>2021</b> , 5, 2473974X211055372	2	1
221	Prenatal transplantation of human amniotic fluid stem cell could improve clinical outcome of type III spinal muscular atrophy in mice. <i>Scientific Reports</i> , <b>2021</b> , 11, 9158	4.9	4
220	Incidence and patterns of abnormal corpus callosum in fetuses with isolated spina bifida aperta. <i>Prenatal Diagnosis</i> , <b>2021</b> , 41, 957-964	3.2	3
219	Fetal lung underdevelopment is rescued by administration of amniotic fluid stem cell extracellular vesicles in rodents. <i>Science Translational Medicine</i> , <b>2021</b> , 13,	17.5	3
218	Structure-function relationships in the fetoplacental circulation from in silico interpretation of micro-CT vascular structures. <i>Journal of Theoretical Biology</i> , <b>2021</b> , 517, 110630	2.3	4
217	Cortical spectral matching and shape and volume analysis of the fetal brain pre- and post-fetal surgery for spina bifida: a retrospective study. <i>Neuroradiology</i> , <b>2021</b> , 63, 1721-1734	3.2	3
216	Fetal body MRI and its application to fetal and neonatal treatment: an illustrative review. <i>The Lancet Child and Adolescent Health</i> , <b>2021</b> , 5, 447-458	14.5	4
215	Development and validation of a risk prediction model of preterm birth for women with preterm labour symptoms (the QUIDS study): A prospective cohort study and individual participant data meta-analysis. <i>PLoS Medicine</i> , <b>2021</b> , 18, e1003686	11.6	4
214	Magnetic resonance imaging measurement of placental perfusion and oxygen saturation in early-onset fetal growth restriction. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , <b>2021</b> , 128, 337-345	3.7	10
213	Re: Vitamin D and stress urinary incontinence in pregnancy: a cross-sectional study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , <b>2021</b> , 128, 617	3.7	1

212	Seeing the fetus from a DOHaD perspective: discussion paper from the advanced imaging techniques of DOHaD applications workshop held at the 2019 DOHaD World Congress. <i>Journal of Developmental Origins of Health and Disease</i> , <b>2021</b> , 12, 153-167	2.4	2
211	Potential sealing and repair of human FM defects after trauma with peptide amphiphiles and Cx43 antisense. <i>Prenatal Diagnosis</i> , <b>2021</b> , 41, 89-99	3.2	1
210	Cranial findings detected by second-trimester ultrasound in fetuses with myelomeningocele: a systematic review. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , <b>2021</b> , 128, 366-374	3.7	1
209	AutoFB: Automating Fetal Biometry Estimation from Standard Ultrasound Planes. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 228-238	0.9	3
208	Label-Set Loss Functions for Partial Supervision: Application to Fetal Brain 3D MRI Parcellation. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 647-657	0.9	4
207	Maternal and infant morbidity following birth before 27 weeks of gestation: a single centre study. <i>Scientific Reports</i> , <b>2021</b> , 11, 288	4.9	3
206	Texture-Based Analysis of Fetal Organs in Fetal Growth Restriction. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 253-262	0.9	
205	Consent in pregnancy - an observational study of ante-natal care in the context of Montgomery: all about risk?. <i>BMC Pregnancy and Childbirth</i> , <b>2021</b> , 21, 102	3.2	2
204	Ethical and Regulatory Considerations of Placental Therapeutics. <i>Clinical Therapeutics</i> , <b>2021</b> , 43, 297-307	3.5	0
203	Magnetic resonance imaging of placentome development in the pregnant Ewe. <i>Placenta</i> , <b>2021</b> , 105, 61-69	3.4	3
202	'We did everything we could'- a qualitative study exploring the acceptability of maternal-fetal surgery for spina bifida to parents. <i>Prenatal Diagnosis</i> , <b>2021</b> , 41, 910-921	3.2	4
201	Cx43 mediates changes in myofibroblast contraction and collagen release in human amniotic membrane defects after trauma. <i>Scientific Reports</i> , <b>2021</b> , 11, 16975	4.9	1
200	Placenta-specific Slc38a2/SNAT2 knockdown causes fetal growth restriction in mice. <i>Clinical Science</i> , <b>2021</b> , 135, 2049-2066	6.5	4
199	A prognostic model, including quantitative fetal fibronectin, to predict preterm labour: the QUIDS meta-analysis and prospective cohort study. <i>Health Technology Assessment</i> , <b>2021</b> , 25, 1-168	4.4	0
198	Globally Optimal Fetoscopic Mosaicking Based on Pose Graph Optimisation With Affine Constraints. <i>IEEE Robotics and Automation Letters</i> , <b>2021</b> , 6, 7831-7838	4.2	2
197	Preclinical stem cell therapy in fetuses with myelomeningocele: A systematic review and meta-analysis. <i>Prenatal Diagnosis</i> , <b>2021</b> , 41, 283-300	3.2	4
196	Distributionally Robust Segmentation of Abnormal Fetal Brain 3D MRI. <i>Lecture Notes in Computer Science</i> , <b>2021</b> , 263-273	0.9	3
195	The effects of maternal position, in late gestation pregnancy, on placental blood flow and oxygenation: an MRI study. <i>Journal of Physiology</i> , <b>2021</b> , 599, 1901-1915	3.9	8

194	Feasibility of use of the anxiety thermometer in antenatal services. <i>British Journal of Midwifery</i> , <b>2020</b> , 28, 468-474	0.3	
193	Fetal and Maternal Safety Considerations for In Utero Therapy Clinical Trials: iFeTiS Consensus Statement. <i>Molecular Therapy</i> , <b>2020</b> , 28, 2316-2319	11.7	7
192	Beetroot juice lowers blood pressure and improves endothelial function in pregnant eNOS mice: importance of nitrate-independent effects. <i>Journal of Physiology</i> , <b>2020</b> , 598, 4079-4092	3.9	9
191	Stem cell delivery to kidney via minimally invasive ultrasound-guided renal artery injection in mice. <i>Scientific Reports</i> , <b>2020</b> , 10, 7514	4.9	7
190	Factors associated with preterm birth in women undergoing cervical cerclage. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , <b>2020</b> , 251, 141-145	2.4	2
189	Antenatal corticosteroids and outcomes in gastroschisis: A multicenter retrospective cohort study. <i>Prenatal Diagnosis</i> , <b>2020</b> , 40, 991-997	3.2	2
188	Small extracellular vesicles secreted from human amniotic fluid mesenchymal stromal cells possess cardioprotective and promigratory potential. <i>Basic Research in Cardiology</i> , <b>2020</b> , 115, 26	11.8	38
187	SARS-CoV2 (COVID-19) infection: is fetal surgery in times of national disasters reasonable?. <i>Prenatal Diagnosis</i> , <b>2020</b> , 40, 1755-1758	3.2	12
186	Deep Placental Vessel Segmentation for Fetoscopic Mosaicking. <i>Lecture Notes in Computer Science</i> , <b>2020</b> , 763-773	0.9	6
185	Patch repair of congenital diaphragmatic hernia is not at risk of poor outcomes. <i>Journal of Pediatric Surgery</i> , <b>2020</b> , 55, 1522-1527	2.6	8
184	An automated framework for localization, segmentation and super-resolution reconstruction of fetal brain MRI. <i>NeuroImage</i> , <b>2020</b> , 206, 116324	7.9	64
183	Photoacoustic imaging of the human placental vasculature. <i>Journal of Biophotonics</i> , <b>2020</b> , 13, e201900167	15.7	19
182	Advancing fetal therapy in the United Kingdom. <i>Obstetrics, Gynaecology and Reproductive Medicine</i> , <b>2020</b> , 30, 91-93	0.5	1
181	Fetal surgery for spina bifida. <i>Obstetrics, Gynaecology and Reproductive Medicine</i> , <b>2020</b> , 30, 26-30	0.5	
180	Improved fetal blood oxygenation and placental estimated measurements of diffusion-weighted MRI using data-driven Bayesian modeling. <i>Magnetic Resonance in Medicine</i> , <b>2020</b> , 83, 2160-2172	4.4	12
179	Comparison of Efficiency and Function of Vascular Endothelial Growth Factor Adenovirus Vectors in Endothelial Cells for Gene Therapy of Placental Insufficiency. <i>Human Gene Therapy</i> , <b>2020</b> , 31, 1190-1202	4.8	1
178	The Microfluidic Environment Reveals a Hidden Role of Self-Organizing Extracellular Matrix in Hepatic Commitment and Organoid Formation of hiPSCs. <i>Cell Reports</i> , <b>2020</b> , 33, 108453	10.6	8
177	Fetal Gene Therapy <b>2020</b> , 560-571.e2		

176	Placental MRI and its application to fetal intervention. <i>Prenatal Diagnosis</i> , <b>2020</b> , 40, 38-48	3.2	26
175	A study to assess knowledge and acceptability of foetal surgery for spina bifida amongst healthcare professionals in the UK. <i>Journal of Obstetrics and Gynaecology</i> , <b>2020</b> , 40, 448-454	1.3	1
174	Fetal surgery for open spina bifida. <i>The Obstetrician and Gynaecologist</i> , <b>2019</b> , 21, 271-282	0.9	17
173	Micro-CT and histological investigation of the spatial pattern of fetoplacental vascular density. <i>Placenta</i> , <b>2019</b> , 88, 36-43	3.4	17
172	Evaluation of fetal exposure to external loud noise using a sheep model: quantification of in utero acoustic transmission across the human audio range. <i>American Journal of Obstetrics and Gynecology</i> , <b>2019</b> , 221, 343.e1-343.e11	6.4	6
171	Cervical length and quantitative fetal fibronectin in the prediction of spontaneous preterm birth in asymptomatic women with congenital uterine anomaly. <i>American Journal of Obstetrics and Gynecology</i> , <b>2019</b> , 221, 341.e1-341.e9	6.4	8
170	Maternal complications following open and fetoscopic fetal surgery: A systematic review and meta-analysis. <i>Prenatal Diagnosis</i> , <b>2019</b> , 39, 251-268	3.2	56
169	Reducing the impact of preterm birth: Preterm birth commissioning in the United Kingdom. <i>European Journal of Obstetrics and Gynecology and Reproductive Biology: X</i> , <b>2019</b> , 3, 100018	2.3	6
168	Consent in pregnancy: A qualitative study of the views and experiences of women and their healthcare professionals. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , <b>2019</b> , 238, 132-137	2.4	7
167	Human mid-trimester amniotic fluid (stem) cells lack expression of the pluripotency marker OCT4A. <i>Scientific Reports</i> , <b>2019</b> , 9, 8126	4.9	4
166	In Utero Transplantation of Expanded Autologous Amniotic Fluid Stem Cells Results in Long-Term Hematopoietic Engraftment. <i>Stem Cells</i> , <b>2019</b> , 37, 1176-1188	5.8	9
165	The role of the obstetrician in the prevention of retinopathy of prematurity. <i>Seminars in Perinatology</i> , <b>2019</b> , 43, 323-332	3.3	2
164	Targeting mechanotransduction mechanisms and tissue weakening signals in the human amniotic membrane. <i>Scientific Reports</i> , <b>2019</b> , 9, 6718	4.9	7
163	Furin, a transcriptional target of NKX2-5, has an essential role in heart development and function. <i>PLoS ONE</i> , <b>2019</b> , 14, e0212992	3.7	9
162	Crash sign: new first-trimester sonographic marker of spina bifida. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2019</b> , 54, 740-745	5.8	22
161	Stakeholder views and attitudes towards prenatal and postnatal transplantation of fetal mesenchymal stem cells to treat Osteogenesis Imperfecta. <i>European Journal of Human Genetics</i> , <b>2019</b> , 27, 1244-1253	5.3	10
160	DeepIGeoS: A Deep Interactive Geodesic Framework for Medical Image Segmentation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , <b>2019</b> , 41, 1559-1572	13.3	139
159	In Utero Gene Therapy (IUGT) Using GLOBE Lentiviral Vector Phenotypically Corrects the Heterozygous Humanised Mouse Model and Its Progress Can Be Monitored Using MRI Techniques. <i>Scientific Reports</i> , <b>2019</b> , 9, 11592	4.9	9

158 Maternal and Fetal Therapy: Can We Optimize Fetal Growth? **2019**, 287-301

157 Gene Therapy: Principles and Clinical Potential **2019**, 540-560

156 Preconception laparoscopic transabdominal cervical cerclage for the prevention of midtrimester pregnancy loss and preterm birth: a single centre experience. *Facts, Views & Vision in ObGyn*, **2019**, 11, 43-48 1.4

155 Improved Placental Parameter Estimation Using Data-Driven Bayesian Modelling. *Lecture Notes in Computer Science*, **2019**, 609-616 0.9

154 Separating fetal and maternal placenta circulations using multiparametric MRI. *Magnetic Resonance in Medicine*, **2019**, 81, 350-361 4.4 42

153 Embryonic Stem Cell-Derived Mesenchymal Stem Cells (MSCs) Have a Superior Neuroprotective Capacity Over Fetal MSCs in the Hypoxic-Ischemic Mouse Brain. *Stem Cells Translational Medicine*, **2018**, 7, 439-449 6.9 42

152 Long-Term Hematopoietic Engraftment of Congenic Amniotic Fluid Stem Cells After in Utero Intraperitoneal Transplantation to Immune Competent Mice. *Stem Cells and Development*, **2018**, 27, 515-523 4.4 6

151 Prophylaxis and treatment of foetal growth restriction. *Best Practice and Research in Clinical Obstetrics and Gynaecology*, **2018**, 49, 66-78 4.6 14

150 Extreme prematurity and perinatal management. *The Obstetrician and Gynaecologist*, **2018**, 20, 109-117 0.9 1

149 The legal frameworks that govern fetal surgery in the United Kingdom, European Union, and the United States. *Prenatal Diagnosis*, **2018**, 38, 475-481 3.2 6

148 Quantitative fibronectin to help decision-making in women with symptoms of preterm labour (QUIDS) part 1: Individual participant data meta-analysis and health economic analysis. *BMJ Open*, **2018**, 8, e020796 3 4

147 Guinea pig models for translation of the developmental origins of health and disease hypothesis into the clinic. *Journal of Physiology*, **2018**, 596, 5535-5569 3.9 62

146 Interactive Medical Image Segmentation Using Deep Learning With Image-Specific Fine Tuning. *IEEE Transactions on Medical Imaging*, **2018**, 37, 1562-1573 11.7 307

145 Neuroprotection of the hypoxic-ischemic mouse brain by human CD117CD90CD105 amniotic fluid stem cells. *Scientific Reports*, **2018**, 8, 2425 4.9 10

144 Human beta defensin (HBD) gene copy number affects HBD2 protein levels: impact on cervical bactericidal immunity in pregnancy. *European Journal of Human Genetics*, **2018**, 26, 434-439 5.3 13

143 Polydimethylsiloxane Composites for Optical Ultrasound Generation and Multimodality Imaging. *Advanced Functional Materials*, **2018**, 28, 1704919 15.6 50

142 The presence of human mesenchymal stem cells of renal origin in amniotic fluid increases with gestational time. *Stem Cell Research and Therapy*, **2018**, 9, 113 8.3 15

141 Fetal Mesenchymal Stromal Cells: an Opportunity for Prenatal Cellular Therapy. *Current Stem Cell Reports*, **2018**, 4, 61-68 1.8 25

140 Gene Therapy in Fetal Growth Restriction **2018**, 141-153

139 Human placental vasculature imaging using an LED-based photoacoustic/ultrasound imaging system **2018**, 4

138 MRI Measurement of Placental Perfusion and Fetal Blood Oxygen Saturation in Normal Pregnancy and Placental Insufficiency. *Lecture Notes in Computer Science*, **2018**, 913-920 0.9 1

137 Tissuepatch is biocompatible and seals iatrogenic membrane defects in a rabbit model. *Prenatal Diagnosis*, **2018**, 38, 99-105 3.2 7

136 In Vitro Human Placental Studies to Support Adenovirus-Mediated VEGF-D Maternal Gene Therapy for the Treatment of Severe Early-Onset Fetal Growth Restriction. *Human Gene Therapy Clinical Development*, **2018**, 29, 10-23 3.2 9

135 The role of aspirin, heparin, and other interventions in the prevention and treatment of fetal growth restriction. *American Journal of Obstetrics and Gynecology*, **2018**, 218, S829-S840 6.4 76

134 Study protocol: quantitative fibronectin to help decision-making in women with symptoms of preterm labour (QUIDS) part 2, UK Prospective Cohort Study. *BMJ Open*, **2018**, 8, e020795 3 4

133 An Automated Localization, Segmentation and Reconstruction Framework for Fetal Brain MRI. *Lecture Notes in Computer Science*, **2018**, 313-320 0.9 15

132 Three-Dimensional Ultrasonic Needle Tip Tracking with a Fiber-Optic Ultrasound Receiver. *Journal of Visualized Experiments*, **2018**, 1.6 1

131 A study to assess global availability of fetal surgery for myelomeningocele. *Prenatal Diagnosis*, **2018**, 38, 1020-1027 3.2 17

130 Perinatal and long-term effects of maternal uterine artery adenoviral VEGF-A165 gene therapy in the growth-restricted guinea pig fetus. *American Journal of Physiology - Regulatory Integrative and Comparative Physiology*, **2018**, 315, R344-R353 3.2 7

129 In Utero Therapy for Congenital Disorders Using Amniotic Fluid Stem Cells **2018**, 3-20 2

128 The use of ultrasound to assess fetal growth in a guinea pig model of fetal growth restriction. *Laboratory Animals*, **2017**, 51, 181-190 2.6 8

127 Total uterine artery blood volume flow rate in nulliparous women is associated with birth weight and gestational age at delivery. *Ultrasound in Obstetrics and Gynecology*, **2017**, 49, 54-60 5.8 16

126 Looking beyond the imaging plane: 3D needle tracking with a linear array ultrasound probe. *Scientific Reports*, **2017**, 7, 3674 4.9 19

125 Placenta-directed gene therapy for fetal growth restriction. *Seminars in Fetal and Neonatal Medicine*, **2017**, 22, 415-422 3.7 12

124 Human Amniocytes Are Receptive to Chemically Induced Reprogramming to Pluripotency. *Molecular Therapy*, **2017**, 25, 427-442 11.7 6

123 Non-invasive MRI biomarkers for the early assessment of iron overload in a humanized mouse model of  $\beta$ -thalassemia. *Scientific Reports*, **2017**, 7, 43439 4.9 12



122	EVERREST prospective study: a 6-year prospective study to define the clinical and biological characteristics of pregnancies affected by severe early onset fetal growth restriction. <i>BMC Pregnancy and Childbirth</i> , <b>2017</b> , 17, 43	3.2	50
121	Use of high-frequency ultrasound to study the prenatal development of cranial neural tube defects and hydrocephalus in <i>Gldc</i> -deficient mice. <i>Prenatal Diagnosis</i> , <b>2017</b> , 37, 273-281	3.2	5
120	Maternal uterine artery VEGF gene therapy for treatment of intrauterine growth restriction. <i>Placenta</i> , <b>2017</b> , 59 Suppl 1, S44-S50	3.4	19
119	Imaging the human placental microcirculation with micro-focus computed tomography: Optimisation of tissue preparation and image acquisition. <i>Placenta</i> , <b>2017</b> , 60, 36-39	3.4	11
118	Hospital admission for hyperemesis gravidarum in women at increased risk of spontaneous preterm birth. <i>Birth</i> , <b>2017</b> , 44, 384-389	3.1	3
117	TGF $\beta$ induced osteogenic potential of human amniotic fluid stem cells via CD73-generated adenosine production. <i>Scientific Reports</i> , <b>2017</b> , 7, 6601	4.9	6
116	Direct comparison of high-temporal-resolution CINE MRI with Doppler ultrasound for assessment of diastolic dysfunction in mice. <i>NMR in Biomedicine</i> , <b>2017</b> , 30, e3763	4.4	3
115	Protein and Molecular Characterization of a Clinically Compliant Amniotic Fluid Stem Cell-Derived Extracellular Vesicle Fraction Capable of Accelerating Muscle Regeneration Through Enhancement of Angiogenesis. <i>Stem Cells and Development</i> , <b>2017</b> , 26, 1316-1333	4.4	28
114	GIFT-Cloud: A data sharing and collaboration platform for medical imaging research. <i>Computer Methods and Programs in Biomedicine</i> , <b>2017</b> , 139, 181-190	6.9	34
113	Placental stem cells. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , <b>2016</b> , 31, 13-29	4.6	56
112	Maternal Therapy with Ad.VEGF-A Increases Fetal Weight at Term in a Guinea-Pig Model of Fetal Growth Restriction. <i>Human Gene Therapy</i> , <b>2016</b> , 27, 997-1007	4.8	26
111	Implementation of foetal fibronectin testing: Admissions, maternal interventions and costs at 1 year. <i>Journal of Obstetrics and Gynaecology</i> , <b>2016</b> , 36, 888-892	1.3	9
110	Presenting risk information in sexual and reproductive health care. <i>Journal of Family Planning and Reproductive Health Care</i> , <b>2016</b> , 42, 213-9		2
109	Gene Targeting to the Uteroplacental Circulation of Pregnant Guinea Pigs. <i>Reproductive Sciences</i> , <b>2016</b> , 23, 1087-95	3	13
108	Real-time mosaicing of fetoscopic videos using SIFT <b>2016</b> ,		7
107	Human Chorionic Stem Cells: Podocyte Differentiation and Potential for the Treatment of Alport Syndrome. <i>Stem Cells and Development</i> , <b>2016</b> , 25, 395-404	4.4	13
106	Ultrasound and endocrinological markers of first trimester placentation and subsequent fetal size. <i>Placenta</i> , <b>2016</b> , 40, 29-33	3.4	14
105	Dynamically Balanced Online Random Forests for Interactive Scribble-Based Segmentation. <i>Lecture Notes in Computer Science</i> , <b>2016</b> , 352-360	0.9	3



104	Peri- and Postnatal Effects of Prenatal Adenoviral VEGF Gene Therapy in Growth-Restricted Sheep. <i>Biology of Reproduction</i> , <b>2016</b> , 94, 142	3.9	32
103	Ethics and social acceptability of a proposed clinical trial using maternal gene therapy to treat severe early-onset fetal growth restriction. <i>Ultrasound in Obstetrics and Gynecology</i> , <b>2016</b> , 47, 484-91	5.8	39
102	Coded excitation ultrasonic needle tracking: An in vivo study. <i>Medical Physics</i> , <b>2016</b> , 43, 4065	4.4	11
101	Counteracting bone fragility with human amniotic mesenchymal stem cells. <i>Scientific Reports</i> , <b>2016</b> , 6, 39656	4.9	19
100	Slic-Seg: A minimally interactive segmentation of the placenta from sparse and motion-corrupted fetal MRI in multiple views. <i>Medical Image Analysis</i> , <b>2016</b> , 34, 137-147	15.4	33
99	Perinatal Gene Therapy. <i>Pancreatic Islet Biology</i> , <b>2016</b> , 361-402	0.4	
98	Achieving an early pregnancy following allogeneic uterine transplantation in a rabbit model. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , <b>2015</b> , 185, 164-9	2.4	23
97	Tests to predict imminent delivery in threatened preterm labour. <i>BMJ, The</i> , <b>2015</b> , 350, h2183	5.9	9
96	Animal models of fetal growth restriction: Considerations for translational medicine. <i>Placenta</i> , <b>2015</b> , 36, 623-30	3.4	100
95	A Registration Approach to Endoscopic Laser Speckle Contrast Imaging for Intrauterine Visualisation of Placental Vessels. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 455-462	0.9	
94	Performance characteristics of an interventional multispectral photoacoustic imaging system for guiding minimally invasive procedures. <i>Journal of Biomedical Optics</i> , <b>2015</b> , 20, 86005	3.5	46
93	Enrichment in c-Kit improved differentiation potential of amniotic membrane progenitor/stem cells. <i>Placenta</i> , <b>2015</b> , 36, 18-26	3.4	19
92	Sheep CD34+ amniotic fluid cells have hematopoietic potential and engraft after autologous in utero transplantation. <i>Stem Cells</i> , <b>2015</b> , 33, 122-32	5.8	22
91	In-plane ultrasonic needle tracking using a fiber-optic hydrophone. <i>Medical Physics</i> , <b>2015</b> , 42, 5983-91	4.4	28
90	Computer-assisted surgical planning and intraoperative guidance in fetal surgery: a systematic review. <i>Prenatal Diagnosis</i> , <b>2015</b> , 35, 1159-66	3.2	36
89	Quantitative fetal fibronectin to predict preterm birth in asymptomatic women at high risk. <i>Obstetrics and Gynecology</i> , <b>2015</b> , 125, 1168-1176	4.9	66
88	Fluidic actuation for intra-operative in situ imaging <b>2015</b> ,		10
87	Immune regulatory properties of CD117(pos) amniotic fluid stem cells vary according to gestational age. <i>Stem Cells and Development</i> , <b>2015</b> , 24, 132-43	4.4	40

86	Slic-Seg: Slice-by-Slice Segmentation Propagation of the Placenta in Fetal MRI Using One-Plane Scribbles and Online Learning. <i>Lecture Notes in Computer Science</i> , <b>2015</b> , 29-37	0.9	10
85	Treatment of poor placentation and the prevention of associated adverse outcomes--what does the future hold?. <i>Prenatal Diagnosis</i> , <b>2014</b> , 34, 677-84	3.2	34
84	Uterine allotransplantation in a rabbit model using aorto-caval anastomosis: a long-term viability study. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , <b>2014</b> , 182, 185-93	2.4	21
83	PPO.31 First trimester bacterial vaginosis is associated with mid-gestation short cervical length and positive fFN test, and spontaneous preterm birth in high risk women. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , <b>2014</b> , 99, A160.2-A160	4.7	1
82	Tensile strain increased COX-2 expression and PGE2 release leading to weakening of the human amniotic membrane. <i>Placenta</i> , <b>2014</b> , 35, 1057-64	3.4	28
81	Stem cell therapy for neonatal brain injury. <i>Clinics in Perinatology</i> , <b>2014</b> , 41, 133-48	2.8	42
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