

Anna L David

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.

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	Human first-trimester fetal MSC express pluripotency markers and grow faster and have longer telomeres than adult MSC. <i>Stem Cells</i> , 2007 , 25, 646-54	5.8	351
228	Interactive Medical Image Segmentation Using Deep Learning With Image-Specific Fine Tuning. <i>IEEE Transactions on Medical Imaging</i> , 2018 , 37, 1562-1573	11.7	307
227	5' isomiR variation is of functional and evolutionary importance. <i>Nucleic Acids Research</i> , 2014 , 42, 9424-350.1	10.1	160
226	Intrauterine transplantation of human fetal mesenchymal stem cells from first-trimester blood repairs bone and reduces fractures in osteogenesis imperfecta mice. <i>Blood</i> , 2008 , 111, 1717-25	2.2	145
225	DeepGeoS: A Deep Interactive Geodesic Framework for Medical Image Segmentation. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2019 , 41, 1559-1572	13.3	139
224	Valproic acid confers functional pluripotency to human amniotic fluid stem cells in a transgene-free approach. <i>Molecular Therapy</i> , 2012 , 20, 1953-67	11.7	128
223	Animal models of fetal growth restriction: Considerations for translational medicine. <i>Placenta</i> , 2015 , 36, 623-30	3.4	100
222	Comparative osteogenic transcription profiling of various fetal and adult mesenchymal stem cell sources. <i>Differentiation</i> , 2008 , 76, 946-57	3.5	94
221	Stem cell differentiation and expansion for clinical applications of tissue engineering. <i>Journal of Cellular and Molecular Medicine</i> , 2007 , 11, 935-44	5.6	88
220	The role of aspirin, heparin, and other interventions in the prevention and treatment of fetal growth restriction. <i>American Journal of Obstetrics and Gynecology</i> , 2018 , 218, S829-S840	6.4	76
219	Local delivery of VEGF adenovirus to the uterine artery increases vasorelaxation and uterine blood flow in the pregnant sheep. <i>Gene Therapy</i> , 2008 , 15, 1344-50	4	72
218	Quantitative fetal fibronectin to predict preterm birth in asymptomatic women at high risk. <i>Obstetrics and Gynecology</i> , 2015 , 125, 1168-1176	4.9	66
217	Fetal stem cells: betwixt and between. <i>Seminars in Reproductive Medicine</i> , 2006 , 24, 340-7	1.4	65
216	An automated framework for localization, segmentation and super-resolution reconstruction of fetal brain MRI. <i>NeuroImage</i> , 2020 , 206, 116324	7.9	64
215	Guinea pig models for translation of the developmental origins of health and disease hypothesis into the clinic. <i>Journal of Physiology</i> , 2018 , 596, 5535-5569	3.9	62
214	Clinical applications of prenatal and postnatal therapy using stem cells retrieved from amniotic fluid. <i>Current Opinion in Obstetrics and Gynecology</i> , 2011 , 23, 109-16	2.4	62
213	Autologous transplantation of amniotic fluid-derived mesenchymal stem cells into sheep fetuses. <i>Cell Transplantation</i> , 2011 , 20, 1015-31	4	61

212	Association of isolated short femur in the mid-trimester fetus with perinatal outcome. <i>Ultrasound in Obstetrics and Gynecology</i> , 2008 , 31, 512-6	5.8	59
211	Placental stem cells. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2016 , 31, 13-29	4.6	56
210	Maternal complications following open and fetoscopic fetal surgery: A systematic review and meta-analysis. <i>Prenatal Diagnosis</i> , 2019 , 39, 251-268	3.2	56
209	Uteroplacental adenovirus vascular endothelial growth factor gene therapy increases fetal growth velocity in growth-restricted sheep pregnancies. <i>Human Gene Therapy</i> , 2014 , 25, 375-84	4.8	56
208	Ultrasound-guided percutaneous delivery of adenoviral vectors encoding the beta-galactosidase and human factor IX genes to early gestation fetal sheep in utero. <i>Human Gene Therapy</i> , 2003 , 14, 353-64	4.8	56
207	Stable human FIX expression after 0.9G intrauterine gene transfer of self-complementary adeno-associated viral vector 5 and 8 in macaques. <i>Molecular Therapy</i> , 2011 , 19, 1950-60	11.7	53
206	Human mid-trimester amniotic fluid stem cells cultured under embryonic stem cell conditions with valproic acid acquire pluripotent characteristics. <i>Stem Cells and Development</i> , 2013 , 22, 444-58	4.4	51
205	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> , 2017 , 17, 43	3.2	50
204	Polydimethylsiloxane Composites for Optical Ultrasound Generation and Multimodality Imaging. <i>Advanced Functional Materials</i> , 2018 , 28, 1704919	15.6	50
203	Fixation-induced redistribution of hyperphosphorylated RNA polymerase II in the nucleus of human cells. <i>Experimental Cell Research</i> , 2004 , 295, 460-8	4.2	48
202	Gene therapy for the fetus: is there a future?. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2008 , 22, 203-18	4.6	47
201	Performance characteristics of an interventional multispectral photoacoustic imaging system for guiding minimally invasive procedures. <i>Journal of Biomedical Optics</i> , 2015 , 20, 86005	3.5	46
200	Gastroschisis: sonographic diagnosis, associations, management and outcome. <i>Prenatal Diagnosis</i> , 2008 , 28, 633-44	3.2	45
199	Gene therapy progress and prospects: fetal gene therapy--first proofs of concept--some adverse effects. <i>Gene Therapy</i> , 2005 , 12, 1601-7	4	45
198	Long-term increase in uterine blood flow is achieved by local overexpression of VEGF-A(165) in the uterine arteries of pregnant sheep. <i>Gene Therapy</i> , 2012 , 19, 925-35	4	43
197	Embryonic Stem Cell-Derived Mesenchymal Stem Cells (MSCs) Have a Superior Neuroprotective Capacity Over Fetal MSCs in the Hypoxic-Ischemic Mouse Brain. <i>Stem Cells Translational Medicine</i> , 2018 , 7, 439-449	6.9	42
196	Stem cell therapy for neonatal brain injury. <i>Clinics in Perinatology</i> , 2014 , 41, 133-48	2.8	42
195	Separating fetal and maternal placenta circulations using multiparametric MRI. <i>Magnetic Resonance in Medicine</i> , 2019 , 81, 350-361	4.4	42

194	Immune regulatory properties of CD117(pos) amniotic fluid stem cells vary according to gestational age. <i>Stem Cells and Development</i> , 2015 , 24, 132-43	4.4	40
193	Is early delivery beneficial in gastroschisis?. <i>Journal of Pediatric Surgery</i> , 2014 , 49, 928-33; discussion 933-6	3.2	39
192	Recombinant adeno-associated virus-mediated in utero gene transfer gives therapeutic transgene expression in the sheep. <i>Human Gene Therapy</i> , 2011 , 22, 419-26	4.8	39
191	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> , 2016 , 47, 484-91	5.8	39
190	Small extracellular vesicles secreted from human amniotic fluid mesenchymal stromal cells possess cardioprotective and promigratory potential. <i>Basic Research in Cardiology</i> , 2020 , 115, 26	11.8	38
189	Diagnosis of Apert syndrome in the second-trimester using 2D and 3D ultrasound. <i>Prenatal Diagnosis</i> , 2007 , 27, 629-32	3.2	37
188	Computer-assisted surgical planning and intraoperative guidance in fetal surgery: a systematic review. <i>Prenatal Diagnosis</i> , 2015 , 35, 1159-66	3.2	36
187	Gastroschisis with intestinal atresia--predictive value of antenatal diagnosis and outcome of postnatal treatment. <i>Journal of Pediatric Surgery</i> , 2012 , 47, 322-8	2.6	36
186	Treatment of poor placentation and the prevention of associated adverse outcomes--what does the future hold?. <i>Prenatal Diagnosis</i> , 2014 , 34, 677-84	3.2	34
185	GIFT-Cloud: A data sharing and collaboration platform for medical imaging research. <i>Computer Methods and Programs in Biomedicine</i> , 2017 , 139, 181-190	6.9	34
184	Slic-Seg: A minimally interactive segmentation of the placenta from sparse and motion-corrupted fetal MRI in multiple views. <i>Medical Image Analysis</i> , 2016 , 34, 137-147	15.4	33
183	Fetoplacental biometry and umbilical artery Doppler velocimetry in the overnourished adolescent model of fetal growth restriction. <i>American Journal of Obstetrics and Gynecology</i> , 2012 , 207, 141.e6-15	6.4	32
182	HLA-DQB1*03 and cervical intraepithelial neoplasia type III. <i>Lancet, The</i> , 1992 , 340, 52	4.0	32
181	Peri- and Postnatal Effects of Prenatal Adenoviral VEGF Gene Therapy in Growth-Restricted Sheep. <i>Biology of Reproduction</i> , 2016 , 94, 142	3.9	32
180	Molecular signature of human amniotic fluid stem cells during fetal development. <i>Current Stem Cell Research and Therapy</i> , 2013 , 8, 73-81	3.6	30
179	Clinically applicable procedure for gene delivery to fetal gut by ultrasound-guided gastric injection: toward prenatal prevention of early-onset intestinal diseases. <i>Human Gene Therapy</i> , 2006 , 17, 767-79	4.8	29
178	Local over-expression of VEGF-D Δ in the uterine arteries of pregnant sheep results in long-term changes in uterine artery contractility and angiogenesis. <i>PLoS ONE</i> , 2014 , 9, e100021	3.7	29
177	Tensile strain increased COX-2 expression and PGE2 release leading to weakening of the human amniotic membrane. <i>Placenta</i> , 2014 , 35, 1057-64	3.4	28

176	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> , 2017 , 26, 1316-1333	4.4	28
175	In-plane ultrasonic needle tracking using a fiber-optic hydrophone. <i>Medical Physics</i> , 2015 , 42, 5983-91	4.4	28
174	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> , 2016 , 27, 997-1007	4.8	26
173	Placental MRI and its application to fetal intervention. <i>Prenatal Diagnosis</i> , 2020 , 40, 38-48	3.2	26
172	Fetal Mesenchymal Stromal Cells: an Opportunity for Prenatal Cellular Therapy. <i>Current Stem Cell Reports</i> , 2018 , 4, 61-68	1.8	25
171	Unravelling the pluripotency paradox in fetal and placental mesenchymal stem cells: Oct-4 expression and the case of The Emperor's New Clothes. <i>Stem Cell Reviews and Reports</i> , 2013 , 9, 408-21	6.4	24
170	Ultrasound findings after screening for Down syndrome using the integrated test. <i>Obstetrics and Gynecology</i> , 2007 , 109, 1046-52	4.9	24
169	Percutaneous ultrasound-guided injection of the trachea in fetal sheep: a novel technique to target the fetal airways. <i>Fetal Diagnosis and Therapy</i> , 2003 , 18, 385-90	2.4	24
168	Achieving an early pregnancy following allogeneic uterine transplantation in a rabbit model. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2015 , 185, 164-9	2.4	23
167	In utero therapy for congenital disorders using amniotic fluid stem cells. <i>Frontiers in Pharmacology</i> , 2014 , 5, 270	5.6	23
166	Crash sign: new first-trimester sonographic marker of spina bifida. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019 , 54, 740-745	5.8	22
165	Sheep CD34+ amniotic fluid cells have hematopoietic potential and engraft after autologous in utero transplantation. <i>Stem Cells</i> , 2015 , 33, 122-32	5.8	22
164	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> , 2014 , 182, 185-93	2.4	21
163	Congenital fetal heart block: a potential therapeutic role for intravenous immunoglobulin. <i>Obstetrics and Gynecology</i> , 2010 , 116 Suppl 2, 543-547	4.9	20
162	Looking beyond the imaging plane: 3D needle tracking with a linear array ultrasound probe. <i>Scientific Reports</i> , 2017 , 7, 3674	4.9	19
161	Maternal uterine artery VEGF gene therapy for treatment of intrauterine growth restriction. <i>Placenta</i> , 2017 , 59 Suppl 1, S44-S50	3.4	19
160	Enrichment in c-Kit improved differentiation potential of amniotic membrane progenitor/stem cells. <i>Placenta</i> , 2015 , 36, 18-26	3.4	19
159	Factors influencing postnatal liver function tests. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2000 , 107, 1421-6	3.7	19

158	Photoacoustic imaging of the human placental vasculature. <i>Journal of Biophotonics</i> , 2020 , 13, e201900167	19
157	Counteracting bone fragility with human amniotic mesenchymal stem cells. <i>Scientific Reports</i> , 2016 , 6, 39656	4.9 19
156	Ultrasound-guided injection and occlusion of the trachea in fetal sheep. <i>Ultrasound in Obstetrics and Gynecology</i> , 2006 , 28, 82-8	5.8 18
155	Targeting the respiratory muscles of fetal sheep for prenatal gene therapy for Duchenne muscular dystrophy. <i>American Journal of Obstetrics and Gynecology</i> , 2005 , 193, 1105-9	6.4 18
154	Fetal surgery for open spina bifida. <i>The Obstetrician and Gynaecologist</i> , 2019 , 21, 271-282	0.9 17
153	Micro-CT and histological investigation of the spatial pattern of fetoplacental vascular density. <i>Placenta</i> , 2019 , 88, 36-43	3.4 17
152	A study to assess global availability of fetal surgery for myelomeningocele. <i>Prenatal Diagnosis</i> , 2018 , 38, 1020-1027	3.2 17
151	Total uterine artery blood volume flow rate in nulliparous women is associated with birth weight and gestational age at delivery. <i>Ultrasound in Obstetrics and Gynecology</i> , 2017 , 49, 54-60	5.8 16
150	The presence of human mesenchymal stem cells of renal origin in amniotic fluid increases with gestational time. <i>Stem Cell Research and Therapy</i> , 2018 , 9, 113	8.3 15
149	Organ targeted prenatal gene therapy--how far are we?. <i>Prenatal Diagnosis</i> , 2011 , 31, 720-34	3.2 15
148	Therapeutic potential of amniotic fluid stem cells. <i>Current Stem Cell Research and Therapy</i> , 2013 , 8, 117-246	15
147	An Automated Localization, Segmentation and Reconstruction Framework for Fetal Brain MRI. <i>Lecture Notes in Computer Science</i> , 2018 , 313-320	0.9 15
146	Fetal gene transfer. <i>Current Opinion in Molecular Therapeutics</i> , 2007 , 9, 432-8	15
145	Prophylaxis and treatment of foetal growth restriction. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2018 , 49, 66-78	4.6 14
144	Ultrasound and endocrinological markers of first trimester placentation and subsequent fetal size. <i>Placenta</i> , 2016 , 40, 29-33	3.4 14
143	A case-control study of maternal periconceptual and pregnancy recreational drug use and fetal malformation using hair analysis. <i>PLoS ONE</i> , 2014 , 9, e111038	3.7 14
142	Human beta defensin (HBD) gene copy number affects HBD2 protein levels: impact on cervical bactericidal immunity in pregnancy. <i>European Journal of Human Genetics</i> , 2018 , 26, 434-439	5.3 13
141	Gene Targeting to the Uteroplacental Circulation of Pregnant Guinea Pigs. <i>Reproductive Sciences</i> , 2016 , 23, 1087-95	3 13

140	Human Chorionic Stem Cells: Podocyte Differentiation and Potential for the Treatment of Alport Syndrome. <i>Stem Cells and Development</i> , 2016 , 25, 395-404	4.4	13
139	Placenta-directed gene therapy for fetal growth restriction. <i>Seminars in Fetal and Neonatal Medicine</i> , 2017 , 22, 415-422	3.7	12
138	Non-invasive MRI biomarkers for the early assessment of iron overload in a humanized mouse model of β -thalassemia. <i>Scientific Reports</i> , 2017 , 7, 43439	4.9	12
137	SARS-CoV2 (COVID-19) infection: is fetal surgery in times of national disasters reasonable?. <i>Prenatal Diagnosis</i> , 2020 , 40, 1755-1758	3.2	12
136	Candidate diseases for prenatal gene therapy. <i>Methods in Molecular Biology</i> , 2012 , 891, 9-39	1.4	12
135	Factor XI deficiency presenting in pregnancy: diagnosis and management. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2002 , 109, 840-3	3.7	12
134	Improved fetal blood oxygenation and placental estimated measurements of diffusion-weighted MRI using data-driven Bayesian modeling. <i>Magnetic Resonance in Medicine</i> , 2020 , 83, 2160-2172	4.4	12
133	Imaging the human placental microcirculation with micro-focus computed tomography: Optimisation of tissue preparation and image acquisition. <i>Placenta</i> , 2017 , 60, 36-39	3.4	11
132	The risk of recurrence of holoprosencephaly in euploid fetuses. <i>Obstetrics and Gynecology</i> , 2007 , 110, 658-62	4.9	11
131	Coded excitation ultrasonic needle tracking: An in vivo study. <i>Medical Physics</i> , 2016 , 43, 4065	4.4	11
130	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> , 2019 , 27, 1244-1253	5.3	10
129	Neuroprotection of the hypoxic-ischemic mouse brain by human CD117CD90CD105 amniotic fluid stem cells. <i>Scientific Reports</i> , 2018 , 8, 2425	4.9	10
128	Fluidic actuation for intra-operative in situ imaging 2015 ,		10
127	Recent advances in fetal gene therapy. <i>Therapeutic Delivery</i> , 2011 , 2, 461-9	3.8	10
126	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> , 2015 , 29-37	0.9	10
125	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> , 2021 , 128, 337-345	3.7	10
124	In Utero Transplantation of Expanded Autologous Amniotic Fluid Stem Cells Results in Long-Term Hematopoietic Engraftment. <i>Stem Cells</i> , 2019 , 37, 1176-1188	5.8	9
123	Furin, a transcriptional target of NKX2-5, has an essential role in heart development and function. <i>PLoS ONE</i> , 2019 , 14, e0212992	3.7	9

122	Tests to predict imminent delivery in threatened preterm labour. <i>BMJ, The</i> , 2015 , 350, h2183	5.9	9
121	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
120	Implementation of foetal fibronectin testing: Admissions, maternal interventions and costs at 1 year. <i>Journal of Obstetrics and Gynaecology</i> , 2016 , 36, 888-892	1.3	9
119	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> , 2019 , 9, 11592	4.9	9
118	In Vitro Human Placental Studies to Support Adenovirus-Mediated VEGF-D Maternal Gene Therapy for the Treatment of Severe Early-Onset Fetal Growth Restriction. <i>Human Gene Therapy Clinical Development</i> , 2018 , 29, 10-23	3.2	9
117	The use of ultrasound to assess fetal growth in a guinea pig model of fetal growth restriction. <i>Laboratory Animals</i> , 2017 , 51, 181-190	2.6	8
116	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> , 2019 , 221, 341.e1-341.e9	6.4	8
115	Contractile properties of the developing fetal sheep bladder. <i>Neurourology and Urodynamics</i> , 2005 , 24, 276-81	2.3	8
114	Patch repair of congenital diaphragmatic hernia is not at risk of poor outcomes. <i>Journal of Pediatric Surgery</i> , 2020 , 55, 1522-1527	2.6	8
113	The Microfluidic Environment Reveals a Hidden Role of Self-Organizing Extracellular Matrix in Hepatic Commitment and Organoid Formation of hiPSCs. <i>Cell Reports</i> , 2020 , 33, 108453	10.6	8
112	The effects of maternal position, in late gestation pregnancy, on placental blood flow and oxygenation: an MRI study. <i>Journal of Physiology</i> , 2021 , 599, 1901-1915	3.9	8
111	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> , 2019 , 238, 132-137	2.4	7
110	Targeting mechanotransduction mechanisms and tissue weakening signals in the human amniotic membrane. <i>Scientific Reports</i> , 2019 , 9, 6718	4.9	7
109	Fetal and Maternal Safety Considerations for In Utero Therapy Clinical Trials: iFeTiS Consensus Statement. <i>Molecular Therapy</i> , 2020 , 28, 2316-2319	11.7	7
108	Stem cell delivery to kidney via minimally invasive ultrasound-guided renal artery injection in mice. <i>Scientific Reports</i> , 2020 , 10, 7514	4.9	7
107	Real-time mosaicing of fetoscopic videos using SIFT 2016 ,		7
106	Telemetric monitoring of fetal blood pressure and heart rate in the freely moving pregnant sheep: a feasibility study. <i>Laboratory Animals</i> , 2011 , 45, 50-4	2.6	7
105	Tissuepatch is biocompatible and seals iatrogenic membrane defects in a rabbit model. <i>Prenatal Diagnosis</i> , 2018 , 38, 99-105	3.2	7

104	Perinatal and long-term effects of maternal uterine artery adenoviral VEGF-A165 gene therapy in the growth-restricted guinea pig fetus. <i>American Journal of Physiology - Regulatory Integrative and Comparative Physiology</i> , 2018 , 315, R344-R353	3.2	7
103	Human Amniocytes Are Receptive to Chemically Induced Reprogramming to Pluripotency. <i>Molecular Therapy</i> , 2017 , 25, 427-442	11.7	6
102	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> , 2019 , 221, 343.e1-343.e11	6.4	6
101	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> , 2019 , 3, 100018	2.3	6
100	Long-Term Hematopoietic Engraftment of Congenic Amniotic Fluid Stem Cells After in Utero Intraperitoneal Transplantation to Immune Competent Mice. <i>Stem Cells and Development</i> , 2018 , 27, 515-523	4.4	6
99	The legal frameworks that govern fetal surgery in the United Kingdom, European Union, and the United States. <i>Prenatal Diagnosis</i> , 2018 , 38, 475-481	3.2	6
98	TGFβ-induced osteogenic potential of human amniotic fluid stem cells via CD73-generated adenosine production. <i>Scientific Reports</i> , 2017 , 7, 6601	4.9	6
97	Management and outcomes of extreme preterm birth.. <i>BMJ, The</i> , 2022 , 376, e055924	5.9	6
96	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> , 2021 ,	3.7	6
95	Deep Placental Vessel Segmentation for Fetoscopic Mosaicking. <i>Lecture Notes in Computer Science</i> , 2020 , 763-773	0.9	6
94	Use of high-frequency ultrasound to study the prenatal development of cranial neural tube defects and hydrocephalus in Gldc-deficient mice. <i>Prenatal Diagnosis</i> , 2017 , 37, 273-281	3.2	5
93	Animal models for prenatal gene therapy: the sheep model. <i>Methods in Molecular Biology</i> , 2012 , 891, 219-48	1.4	5
92	Prenatal gene therapy for the early treatment of genetic disorders. <i>Expert Review of Obstetrics and Gynecology</i> , 2009 , 4, 25-44		5
91	Human mid-trimester amniotic fluid (stem) cells lack expression of the pluripotency marker OCT4A. <i>Scientific Reports</i> , 2019 , 9, 8126	4.9	4
90	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. <i>BMJ Open</i> , 2018 , 8, e020796	3	4
89	Animal models for prenatal gene therapy: choosing the right model. <i>Methods in Molecular Biology</i> , 2012 , 891, 183-200	1.4	4
88	Monitoring for potential adverse effects of prenatal gene therapy: use of large animal models with relevance to human application. <i>Methods in Molecular Biology</i> , 2012 , 891, 291-328	1.4	4
87	Alterations in postnatal growth and metabolism following prenatal treatment of intrauterine growth restriction with Ad.VEGF gene therapy in the sheep. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2011 , 96, Fa7-Fa7	4.7	4

86	Human placental vasculature imaging using an LED-based photoacoustic/ultrasound imaging system 2018 ,		4
85	Prenatal transplantation of human amniotic fluid stem cell could improve clinical outcome of type III spinal muscular atrophy in mice. <i>Scientific Reports</i> , 2021 , 11, 9158	4.9	4
84	Structure-function relationships in the fetoplacental circulation from in silico interpretation of micro-CT vascular structures. <i>Journal of Theoretical Biology</i> , 2021 , 517, 110630	2.3	4
83	Fetal body MRI and its application to fetal and neonatal treatment: an illustrative review. <i>The Lancet Child and Adolescent Health</i> , 2021 , 5, 447-458	14.5	4
82	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> , 2021 , 18, e1003686	11.6	4
81	Label-Set Loss Functions for Partial Supervision: Application to Fetal Brain 3D MRI Parcellation. <i>Lecture Notes in Computer Science</i> , 2021 , 647-657	0.9	4
80	Study protocol: quantitative fibronectin to help decision-making in women with symptoms of preterm labour (QUIDS) part 2, UK Prospective Cohort Study. <i>BMJ Open</i> , 2018 , 8, e020795	3	4
79	'We did everything we could' - a qualitative study exploring the acceptability of maternal-fetal surgery for spina bifida to parents. <i>Prenatal Diagnosis</i> , 2021 , 41, 910-921	3.2	4
78	Placenta-specific Slc38a2/SNAT2 knockdown causes fetal growth restriction in mice. <i>Clinical Science</i> , 2021 , 135, 2049-2066	6.5	4
77	Preclinical stem cell therapy in fetuses with myelomeningocele: A systematic review and meta-analysis. <i>Prenatal Diagnosis</i> , 2021 , 41, 283-300	3.2	4
76	Microbial-driven preterm labour involves crosstalk between the innate and adaptive immune response.. <i>Nature Communications</i> , 2022 , 13, 975	17.4	4
75	PPO.01 EQUIPP: Evaluation of Fetal Fibronectin with a novel bedside Quantitative Instrument for the Prediction of Preterm birth. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014 , 99, A150.3-A151	4.7	3
74	Hospital admission for hyperemesis gravidarum in women at increased risk of spontaneous preterm birth. <i>Birth</i> , 2017 , 44, 384-389	3.1	3
73	Direct comparison of high-temporal-resolution CINE MRI with Doppler ultrasound for assessment of diastolic dysfunction in mice. <i>NMR in Biomedicine</i> , 2017 , 30, e3763	4.4	3
72	Ultrasonographic development of the fetal sheep stomach and evaluation of early gestation ultrasound-guided in utero intragastric injection. <i>Taiwanese Journal of Obstetrics and Gynecology</i> , 2010 , 49, 23-9	1.6	3
71	Placental gene therapy. <i>Obstetrics, Gynaecology and Reproductive Medicine</i> , 2009 , 19, 296-298	0.5	3
70	Dynamically Balanced Online Random Forests for Interactive Scribble-Based Segmentation. <i>Lecture Notes in Computer Science</i> , 2016 , 352-360	0.9	3
69	Incidence and patterns of abnormal corpus callosum in fetuses with isolated spina bifida aperta. <i>Prenatal Diagnosis</i> , 2021 , 41, 957-964	3.2	3

68	Fetal lung underdevelopment is rescued by administration of amniotic fluid stem cell extracellular vesicles in rodents. <i>Science Translational Medicine</i> , 2021 , 13,	17.5	3
67	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> , 2021 , 63, 1721-1734	3.2	3
66	AutoFB: Automating Fetal Biometry Estimation from Standard Ultrasound Planes. <i>Lecture Notes in Computer Science</i> , 2021 , 228-238	0.9	3
65	Maternal and infant morbidity following birth before 27 weeks of gestation: a single centre study. <i>Scientific Reports</i> , 2021 , 11, 288	4.9	3
64	Magnetic resonance imaging of placentome development in the pregnant Ewe. <i>Placenta</i> , 2021 , 105, 61-69	9.4	3
63	Distributionally Robust Segmentation of Abnormal Fetal Brain 3D MRI. <i>Lecture Notes in Computer Science</i> , 2021 , 263-273	0.9	3
62	The role of the obstetrician in the prevention of retinopathy of prematurity. <i>Seminars in Perinatology</i> , 2019 , 43, 323-332	3.3	2
61	Factors associated with preterm birth in women undergoing cervical cerclage. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2020 , 251, 141-145	2.4	2
60	Antenatal corticosteroids and outcomes in gastroschisis: A multicenter retrospective cohort study. <i>Prenatal Diagnosis</i> , 2020 , 40, 991-997	3.2	2
59	Presenting risk information in sexual and reproductive health care. <i>Journal of Family Planning and Reproductive Health Care</i> , 2016 , 42, 213-9		2
58	Fetal muscle gene therapy/gene delivery in large animals. <i>Methods in Molecular Biology</i> , 2011 , 709, 239-564	5.4	2
57	A spatio-temporal atlas of the developing fetal brain with spina bifida aperta. <i>Open Research Europe</i> , 1, 123		2
56	Fetal gene therapy		2
55	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> , 2021 , 12, 153-167	2.4	2
54	Consent in pregnancy - an observational study of ante-natal care in the context of Montgomery: all about risk?. <i>BMC Pregnancy and Childbirth</i> , 2021 , 21, 102	3.2	2
53	In Utero Therapy for Congenital Disorders Using Amniotic Fluid Stem Cells 2018 , 3-20		2
52	Globally Optimal Fetoscopic Mosaicking Based on Pose Graph Optimisation With Affine Constraints. <i>IEEE Robotics and Automation Letters</i> , 2021 , 6, 7831-7838	4.2	2
51	Extreme prematurity and perinatal management. <i>The Obstetrician and Gynaecologist</i> , 2018 , 20, 109-117	0.9	1

50	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> , 2014 , 99, A160.2-A160	4.7	1
49	PPO.23 Top 15 research priorities for preterm birth with clinicians and service users – involvement – outcomes from a James Lind Alliance priority setting partnership. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014 , 99, A158.1-A158	4.7	1
48	Fetal Mesenchymal Stem Cells are More Primitive than Adult Mesenchymal Stem Cells 2007 , 17-34		1
47	What brain abnormalities can magnetic resonance imaging detect in foetal and early neonatal spina bifida: a systematic review. <i>Neuroradiology</i> , 2021 , 64, 233	3.2	1
46	Super-resolution Reconstruction MRI Application in Fetal Neck Masses and Congenital High Airway Obstruction Syndrome. <i>OTO Open</i> , 2021 , 5, 2473974X211055372	2	1
45	MRI Measurement of Placental Perfusion and Fetal Blood Oxygen Saturation in Normal Pregnancy and Placental Insufficiency. <i>Lecture Notes in Computer Science</i> , 2018 , 913-920	0.9	1
44	Advancing fetal therapy in the United Kingdom. <i>Obstetrics, Gynaecology and Reproductive Medicine</i> , 2020 , 30, 91-93	0.5	1
43	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> , 2020 , 31, 1190-1202	4.8	1
42	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> , 2020 , 40, 448-454	1.3	1
41	Re: Vitamin D and stress urinary incontinence in pregnancy: a cross-sectional study. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2021 , 128, 617	3.7	1
40	Potential sealing and repair of human FM defects after trauma with peptide amphiphiles and Cx43 antisense. <i>Prenatal Diagnosis</i> , 2021 , 41, 89-99	3.2	1
39	Cranial findings detected by second-trimester ultrasound in fetuses with myelomeningocele: a systematic review. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2021 , 128, 366-374	3.7	1
38	Three-Dimensional Ultrasonic Needle Tip Tracking with a Fiber-Optic Ultrasound Receiver. <i>Journal of Visualized Experiments</i> , 2018 ,	1.6	1
37	Cx43 mediates changes in myofibroblast contraction and collagen release in human amniotic membrane defects after trauma. <i>Scientific Reports</i> , 2021 , 11, 16975	4.9	1
36	Developments in functional imaging of the placenta.. <i>British Journal of Radiology</i> , 2022 , 20211010	3.4	1
35	Deep learning-based plane pose regression in obstetric ultrasound.. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022 , 17, 833	3.9	1
34	Ethical and Regulatory Considerations of Placental Therapeutics. <i>Clinical Therapeutics</i> , 2021 , 43, 297-307	3.5	0
33	A prognostic model, including quantitative fetal fibronectin, to predict preterm labour: the QUIDS meta-analysis and prospective cohort study. <i>Health Technology Assessment</i> , 2021 , 25, 1-168	4.4	0

32	Patient-centred consent in women's health: does it really work in antenatal and intra-partum care?. <i>BMC Pregnancy and Childbirth</i> , 2022 , 22, 156	3.2	0
31	A Registration Approach to Endoscopic Laser Speckle Contrast Imaging for Intrauterine Visualisation of Placental Vessels. <i>Lecture Notes in Computer Science</i> , 2015 , 455-462	0.9	
30	Feasibility of use of the anxiety thermometer in antenatal services. <i>British Journal of Midwifery</i> , 2020 , 28, 468-474	0.3	
29	Gene Therapy in Fetal Growth Restriction 2018 , 141-153		
28	Maternal and Fetal Therapy: Can We Optimize Fetal Growth? 2019 , 287-301		
27	Gene Therapy: Principles and Clinical Potential 2019 , 540-560		
26	GENE THERAPY FOR OBSTETRIC CONDITIONS. <i>Fetal and Maternal Medicine Review</i> , 2014 , 25, 147-177		
25	PFM.37 Cyclic tensile strain increases PGE2 release leading to weakening of the human term amniotic membrane. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014 , 99, A93.3-A96	4.7	
24	PFM.72 A retrospective descriptive analysis of anaesthesia for transvaginal cervical cerclage. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014 , 99, A105.2-A105	4.7	
23	10.6 Influence of prenatal adenovirus-VEGF gene therapy on mRNA expression of angiogenic related genes in fetal and postnatal ovine intestine. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2014 , 99, A16.3-A17	4.7	
22	OS078. Fetal growth restriction: A marker of severity of early-onset pre-eclampsia?. <i>Pregnancy Hypertension</i> , 2012 , 2, 220	2.6	
21	Haematopoietic stem cells derived from sheep and human amniotic fluid engraft after transplantation. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2012 , 97, A1.2-A1	4.7	
20	Outcome of fetal exomphalos diagnosed at 11¼4 weeks of gestation. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2011 , 96, Fa59-Fa59	4.7	
19	Validation of ultrasound markers of ovine fetal growth and feasibility of fetal weight estimation in late-gestation. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2011 , 96, Fa70-Fa70	4.7	
18	Congenital Fetal Heart Block: a Potential Therapeutic Role for Intravenous Immunoglobulin. <i>Obstetrics and Gynecology</i> , 2011 , 117, 177	4.9	
17	OC12.05: Umbilical artery Doppler indices and ultrasonographic placental biometry in relation to pregnancy outcome in a paradigm of fetal growth restriction. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011 , 38, 23-23	5.8	
16	OP38.03: Outcome of fetal exomphalos diagnosed at 11¼4 weeks of gestation. <i>Ultrasound in Obstetrics and Gynecology</i> , 2011 , 38, 165-165	5.8	
15	Academic training in obstetrics and gynaecology in the UK: current progress and opportunities. <i>The Obstetrician and Gynaecologist</i> , 2010 , 12, 111-118	0.9	

14 Prenatal gene therapy 101-122

13 OC37: The association of isolated mid-trimester short femur with perinatal outcome. *Ultrasound in Obstetrics and Gynecology*, **2007**, 30, 379-379 5.8

12 OP14.04: Uterine artery Doppler in women with abnormal first and second trimester serum screening. *Ultrasound in Obstetrics and Gynecology*, **2007**, 30, 502-502 5.8

11 P03.02: The importance of genetic counselling in holoprosencephaly. *Ultrasound in Obstetrics and Gynecology*, **2006**, 28, 547-547 5.8

10 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

9 Fetal gene therapy. *Ultrasound Review of Obstetrics and Gynecology*, **2001**, 1, 14-27

8 Clinically Applicable Procedure for Gene Delivery to Fetal Gut by Ultrasound-Guided Gastric Injection: Toward Prenatal Prevention of Early-Onset Intestinal Diseases. *Human Gene Therapy*, **2006**, 060801084750009 4.8

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

6 PFM.01 Influence of prenatal adenovirus-VEGF gene therapy on mRNA expression of angiogenic related genes in fetal and postnatal ovine intestine. *Archives of Disease in Childhood: Fetal and Neonatal Edition*, **2014**, 99, A83.1-A83 4.7

5 Stem Cells Differentiation **2008**, 83-93

4 Fetal surgery for spina bifida. *Obstetrics, Gynaecology and Reproductive Medicine*, **2020**, 30, 26-30 0.5

3 Perinatal Gene Therapy. *Pancreatic Islet Biology*, **2016**, 361-402 0.4

2 Fetal Gene Therapy **2020**, 560-571.e2

1 Texture-Based Analysis of Fetal Organs in Fetal Growth Restriction. *Lecture Notes in Computer Science*, **2021**, 253-262 0.9