

Anna L David

List of Publications by Year in descending order

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249
papers

7,007
citations

66234

42
h-index

85405

71
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269
all docs

269
docs citations

269
times ranked

7800
citing authors

#	ARTICLE	IF	CITATIONS
1	Interactive Medical Image Segmentation Using Deep Learning With Image-Specific Fine Tuning. IEEE Transactions on Medical Imaging, 2018, 37, 1562-1573.	5.4	541
2	Human First-Trimester Fetal MSC Express Pluripotency Markers and Grow Faster and Have Longer Telomeres Than Adult MSC. Stem Cells, 2007, 25, 646-654.	1.4	396
3	DeepIGeoS: A Deep Interactive Geodesic Framework for Medical Image Segmentation. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2019, 41, 1559-1572.	9.7	269
4	5â€™ isomiR variation is of functional and evolutionary importance. Nucleic Acids Research, 2014, 42, 9424-9435.	6.5	203
5	Intrauterine transplantation of human fetal mesenchymal stem cells from first-trimester blood repairs bone and reduces fractures in osteogenesis imperfecta mice. Blood, 2008, 111, 1717-1725.	0.6	165
6	An automated framework for localization, segmentation and super-resolution reconstruction of fetal brain MRI. NeuroImage, 2020, 206, 116324.	2.1	160
7	Valproic Acid Confers Functional Pluripotency to Human Amniotic Fluid Stem Cells in a Transgene-free Approach. Molecular Therapy, 2012, 20, 1953-1967.	3.7	145
8	Animal models of fetal growth restriction: Considerations for translational medicine. Placenta, 2015, 36, 623-630.	0.7	142
9	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.	0.7	115
10	Comparative osteogenic transcription profiling of various fetal and adult mesenchymal stem cell sources. Differentiation, 2008, 76, 946-957.	1.0	109
11	Guinea pig models for translation of the developmental origins of health and disease hypothesis into the clinic. Journal of Physiology, 2018, 596, 5535-5569.	1.3	105
12	Stem cell differentiation and expansion for clinical applications of tissue engineering. Journal of Cellular and Molecular Medicine, 2007, 11, 935-944.	1.6	96
13	Maternal complications following open and fetoscopic fetal surgery: A systematic review and meta-analysis. Prenatal Diagnosis, 2019, 39, 251-268.	1.1	94
14	Polydimethylsiloxane Composites for Optical Ultrasound Generation and Multimodality Imaging. Advanced Functional Materials, 2018, 28, 1704919.	7.8	81
15	Local delivery of VEGF adenovirus to the uterine artery increases vasorelaxation and uterine blood flow in the pregnant sheep. Gene Therapy, 2008, 15, 1344-1350.	2.3	78
16	Quantitative Fetal Fibronectin to Predict Preterm Birth in Asymptomatic Women at High Risk. Obstetrics and Gynecology, 2015, 125, 1168-1176.	1.2	78
17	Fetal Stem Cells: Betwixt and Between. Seminars in Reproductive Medicine, 2006, 24, 340-347.	0.5	77
18	Association of isolated short femur in the mid-trimester fetus with perinatal outcome. Ultrasound in Obstetrics and Gynecology, 2008, 31, 512-516.	0.9	77

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19	Placental stem cells. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2016, 31, 13-29.	1.4	74
20	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.	0.9	71
21	Clinical applications of prenatal and postnatal therapy using stem cells retrieved from amniotic fluid. <i>Current Opinion in Obstetrics and Gynecology</i> , 2011, 23, 109-116.	0.9	70
22	Autologous Transplantation of Amniotic Fluid-Derived Mesenchymal Stem Cells into Sheep Fetuses. <i>Cell Transplantation</i> , 2011, 20, 1015-1031.	1.2	69
23	Uteroplacental Adenovirus Vascular Endothelial Growth Factor Gene Therapy Increases Fetal Growth Velocity in Growth-Restricted Sheep Pregnancies. <i>Human Gene Therapy</i> , 2014, 25, 375-384.	1.4	67
24	Ultrasound-Guided Percutaneous Delivery of Adenoviral Vectors Encoding the β -Galactosidase and Human Factor IX Genes to Early Gestation Fetal Sheep In Utero. <i>Human Gene Therapy</i> , 2003, 14, 353-364.	1.4	66
25	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, 1950-1960.	3.7	66
26	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, 444-458.	1.1	62
27	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.	1.6	62
28	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.	2.5	62
29	Separating fetal and maternal placenta circulations using multiparametric MRI. <i>Magnetic Resonance in Medicine</i> , 2019, 81, 350-361.	1.9	59
30	GIFT-Cloud: A data sharing and collaboration platform for medical imaging research. <i>Computer Methods and Programs in Biomedicine</i> , 2017, 139, 181-190.	2.6	57
31	Gastroschisis: sonographic diagnosis, associations, management and outcome. <i>Prenatal Diagnosis</i> , 2008, 28, 633-644.	1.1	56
32	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.	7.0	56
33	Fixation-induced redistribution of hyperphosphorylated RNA polymerase II in the nucleus of human cells. <i>Experimental Cell Research</i> , 2004, 295, 460-468.	1.2	54
34	Gene therapy for the fetus: is there a future?. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2008, 22, 203-218.	1.4	53
35	Performance characteristics of an interventional multispectral photoacoustic imaging system for guiding minimally invasive procedures. <i>Journal of Biomedical Optics</i> , 2015, 20, 1.	1.4	50
36	Gene Therapy Progress and Prospects: Fetal gene therapy â€œ first proofs of concept â€œ some adverse effects. <i>Gene Therapy</i> , 2005, 12, 1601-1607.	2.3	49

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37	Long-term increase in uterine blood flow is achieved by local overexpression of VEGF-A165 in the uterine arteries of pregnant sheep. <i>Gene Therapy</i> , 2012, 19, 925-935.	2.3	48
38	Is early delivery beneficial in gastroschisis?. <i>Journal of Pediatric Surgery</i> , 2014, 49, 928-933.	0.8	48
39	Immune Regulatory Properties of CD117 ^{pos} Amniotic Fluid Stem Cells Vary According to Gestational Age. <i>Stem Cells and Development</i> , 2015, 24, 132-143.	1.1	46
40	Stem Cell Therapy for Neonatal Brain Injury. <i>Clinics in Perinatology</i> , 2014, 41, 133-148.	0.8	45
41	Computer-assisted surgical planning and intraoperative guidance in fetal surgery: a systematic review. <i>Prenatal Diagnosis</i> , 2015, 35, 1159-1166.	1.1	45
42	Recombinant Adeno-Associated Virus-Mediated <i>In Utero</i> Gene Transfer Gives Therapeutic Transgene Expression in the Sheep. <i>Human Gene Therapy</i> , 2011, 22, 419-426.	1.4	44
43	In-plane ultrasonic needle tracking using a fiber-optic hydrophone. <i>Medical Physics</i> , 2015, 42, 5983-5991.	1.6	44
44	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, 484-491.	0.9	44
45	Placental MRI and its application to fetal intervention. <i>Prenatal Diagnosis</i> , 2020, 40, 38-48.	1.1	44
46	Management and outcomes of extreme preterm birth. <i>BMJ, The</i> , 2022, 376, e055924.	3.0	44
47	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.	1.1	42
48	Gastroschisis with intestinal atresia—predictive value of antenatal diagnosis and outcome of postnatal treatment. <i>Journal of Pediatric Surgery</i> , 2012, 47, 322-328.	0.8	41
49	Fetal surgery for open spina bifida. <i>The Obstetrician and Gynaecologist</i> , 2019, 21, 271-282.	0.2	41
50	Diagnosis of Apert syndrome in the second-trimester using 2D and 3D ultrasound. <i>Prenatal Diagnosis</i> , 2007, 27, 629-632.	1.1	40
51	Fetal lung underdevelopment is rescued by administration of amniotic fluid stem cell extracellular vesicles in rodents. <i>Science Translational Medicine</i> , 2021, 13, .	5.8	40
52	Treatment of poor placentation and the prevention of associated adverse outcomes “ what does the future hold?. <i>Prenatal Diagnosis</i> , 2014, 34, 677-684.	1.1	39
53	Microbial-driven preterm labour involves crosstalk between the innate and adaptive immune response. <i>Nature Communications</i> , 2022, 13, 975.	5.8	38
54	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.e6-141.e15.	0.7	37

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55	Crash sign: new first-trimester sonographic marker of spina bifida. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019, 54, 740-745.	0.9	37
56	Photoacoustic imaging of the human placental vasculature. <i>Journal of Biophotonics</i> , 2020, 13, e201900167.	1.1	36
57	HLA-DQB103 and cervical intraepithelial neoplasia type III. <i>Lancet, The</i> , 1992, 340, 52.	6.3	35
58	Peri- and Postnatal Effects of Prenatal Adenoviral VEGF Gene Therapy in Growth-Restricted Sheep1. <i>Biology of Reproduction</i> , 2016, 94, 142.	1.2	35
59	Micro-CT and histological investigation of the spatial pattern of fetoplacental vascular density. <i>Placenta</i> , 2019, 88, 36-43.	0.7	35
60	Molecular Signature of Human amniotic Fluid Stem Cells During Fetal Development. <i>Current Stem Cell Research and Therapy</i> , 2013, 8, 73-81.	0.6	33
61	Tensile strain increased COX-2 expression and PGE2 release leading to weakening of the human amniotic membrane. <i>Placenta</i> , 2014, 35, 1057-1064.	0.7	33
62	Looking beyond the imaging plane: 3D needle tracking with a linear array ultrasound probe. <i>Scientific Reports</i> , 2017, 7, 3674.	1.6	33
63	A study to assess global availability of fetal surgery for myelomeningocele. <i>Prenatal Diagnosis</i> , 2018, 38, 1020-1027.	1.1	33
64	Fetal Mesenchymal Stromal Cells: an Opportunity for Prenatal Cellular Therapy. <i>Current Stem Cell Reports</i> , 2018, 4, 61-68.	0.7	32
65	Maternal Therapy with Ad.VEGF-A ₁₆₅ Increases Fetal Weight at Term in a Guinea-Pig Model of Fetal Growth Restriction. <i>Human Gene Therapy</i> , 2016, 27, 997-1007.	1.4	31
66	Local Over-Expression of VEGF-D ¹ N ¹ C 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.	1.1	31
67	Factors influencing postnatal liver function tests. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2000, 107, 1421-1426.	1.1	30
68	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, 767-779.	1.4	30
69	In utero therapy for congenital disorders using amniotic fluid stem cells. <i>Frontiers in Pharmacology</i> , 2014, 5, 270.	1.6	29
70	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, 408-421.	5.6	28
71	Maternal uterine artery VEGF gene therapy for treatment of intrauterine growth restriction. <i>Placenta</i> , 2017, 59, S44-S50.	0.7	28
72	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, 385-390.	0.6	27

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73	Ultrasound Findings After Screening for Down Syndrome Using the Integrated Test. <i>Obstetrics and Gynecology</i> , 2007, 109, 1046-1052.	1.2	27
74	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.	2.7	27
75	Congenital Fetal Heart Block. <i>Obstetrics and Gynecology</i> , 2010, 116, 543-547.	1.2	26
76	Sheep CD34+ Amniotic Fluid Cells Have Hematopoietic Potential and Engraft After Autologous In Utero Transplantation. <i>Stem Cells</i> , 2015, 33, 122-132.	1.4	26
77	An Automated Localization, Segmentation and Reconstruction Framework for Fetal Brain MRI. <i>Lecture Notes in Computer Science</i> , 2018, , 313-320.	1.0	26
78	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.	2.9	26
79	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.	1.1	26
80	Achieving an early pregnancy following allogeneic uterine transplantation in a rabbit model. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2015, 185, 164-169.	0.5	25
81	SARS-CoV-2 infection in the first trimester and the risk of early miscarriage: a UK population-based prospective cohort study of 3041 pregnancies conceived during the pandemic. <i>Human Reproduction</i> , 2022, 37, 1126-1133.	0.4	25
82	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, 185-193.	0.5	24
83	Enrichment in c-Kit improved differentiation potential of amniotic membrane progenitor/stem cells. <i>Placenta</i> , 2015, 36, 18-26.	0.7	24
84	Impact of the SARS-CoV-2 pandemic on access to contraception and pregnancy intentions: a national prospective cohort study of the UK population. <i>BMJ Sexual and Reproductive Health</i> , 2022, 48, 60-65.	0.9	24
85	Counteracting bone fragility with human amniotic mesenchymal stem cells. <i>Scientific Reports</i> , 2016, 6, 39656.	1.6	23
86	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> , 2022, 129, 256-266.	1.1	23
87	Placenta-specific <i>Slc38a2</i> /SNAT2 knockdown causes fetal growth restriction in mice. <i>Clinical Science</i> , 2021, 135, 2049-2066.	1.8	22
88	Coded excitation ultrasonic needle tracking: An <i>in vivo</i> study. <i>Medical Physics</i> , 2016, 43, 4065-4073.	1.6	21
89	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.	0.9	21
90	Prophylaxis and treatment of foetal growth restriction. <i>Best Practice and Research in Clinical Obstetrics and Gynaecology</i> , 2018, 49, 66-78.	1.4	21

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91	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.	1.1	20
92	Neuroprotection of the hypoxic-ischemic mouse brain by human CD117+CD90+CD105+ amniotic fluid stem cells. <i>Scientific Reports</i> , 2018, 8, 2425.	1.6	20
93	Factor XI deficiency presenting in pregnancy: diagnosis and management. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2002, 109, 840-843.	1.1	19
94	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, 1105-1109.	0.7	19
95	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.	1.4	19
96	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.	0.5	19
97	Ultrasound-guided injection and occlusion of the trachea in fetal sheep. <i>Ultrasound in Obstetrics and Gynecology</i> , 2006, 28, 82-88.	0.9	18
98	Human Chorionic Stem Cells: Podocyte Differentiation and Potential for the Treatment of Alport Syndrome. <i>Stem Cells and Development</i> , 2016, 25, 395-404.	1.1	18
99	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.	2.4	18
100	Fetal and Maternal Safety Considerations for In Utero Therapy Clinical Trials: iFeTiS Consensus Statement. <i>Molecular Therapy</i> , 2020, 28, 2316-2319.	3.7	18
101	Development and validation of a risk prediction model of preterm birth for women with preterm labour symptoms (the QUIIDS study): A prospective cohort study and individual participant data meta-analysis. <i>PLoS Medicine</i> , 2021, 18, e1003686.	3.9	18
102	Deep Placental Vessel Segmentation for Fetoscopic Mosaicking. <i>Lecture Notes in Computer Science</i> , 2020, , 763-773.	1.0	18
103	Organ targeted prenatal gene therapy—how far are we?. <i>Prenatal Diagnosis</i> , 2011, 31, 720-734.	1.1	17
104	Fluidic actuation for intra-operative in situ imaging. , 2015, , .		17
105	Ultrasound and endocrinological markers of first trimester placentation and subsequent fetal size. <i>Placenta</i> , 2016, 40, 29-33.	0.7	17
106	Imaging the human placental microcirculation with micro-focus computed tomography: Optimisation of tissue preparation and image acquisition. <i>Placenta</i> , 2017, 60, 36-39.	0.7	17
107	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.	1.3	17
108	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.	1.3	17

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109	Therapeutic Potential of Amniotic Fluid Stem Cells. <i>Current Stem Cell Research and Therapy</i> , 2013, 8, 117-124.	0.6	17
110	Candidate Diseases for Prenatal Gene Therapy. , 2012, 891, 9-39.		16
111	Gene Targeting to the Uteroplacental Circulation of Pregnant Guinea Pigs. <i>Reproductive Sciences</i> , 2016, 23, 1087-1095.	1.1	16
112	Placenta-directed gene therapy for fetal growth restriction. <i>Seminars in Fetal and Neonatal Medicine</i> , 2017, 22, 415-422.	1.1	16
113	Patch repair of congenital diaphragmatic hernia is not at risk of poor outcomes. <i>Journal of Pediatric Surgery</i> , 2020, 55, 1522-1527.	0.8	16
114	“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.	1.1	16
115	Development of standard definitions and grading for Maternal and Fetal Adverse Event Terminology. <i>Prenatal Diagnosis</i> , 2022, 42, 15-26.	1.1	16
116	Fetal gene transfer. <i>Current Opinion in Molecular Therapeutics</i> , 2007, 9, 432-8.	2.8	16
117	Non-invasive MRI biomarkers for the early assessment of iron overload in a humanized mouse model of β^2 -thalassemia. <i>Scientific Reports</i> , 2017, 7, 43439.	1.6	15
118	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.	1.6	15
119	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.	1.4	15
120	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.	1.9	15
121	SARS-CoV2 (COVID-19) infection: is fetal surgery in times of national disasters reasonable?. <i>Prenatal Diagnosis</i> , 2020, 40, 1755-1758.	1.1	15
122	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.	1.1	15
123	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.	1.0	15
124	Furin, a transcriptional target of NKX2-5, has an essential role in heart development and function. <i>PLoS ONE</i> , 2019, 14, e0212992.	1.1	14
125	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.	0.9	14
126	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.	0.8	14

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127	The Risk of Recurrence of Holoprosencephaly in Euploid Fetuses. <i>Obstetrics and Gynecology</i> , 2007, 110, 658-662.	1.2	13
128	Real-time mosaicing of fetoscopic videos using SIFT. <i>Proceedings of SPIE</i> , 2016, , .	0.8	13
129	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.	1.1	13
130	In Utero Transplantation of Expanded Autologous Amniotic Fluid Stem Cells Results in Long-Term Hematopoietic Engraftment. <i>Stem Cells</i> , 2019, 37, 1176-1188.	1.4	13
131	AutoFB: Automating Fetal Biometry Estimation from Standard Ultrasound Planes. <i>Lecture Notes in Computer Science</i> , 2021, , 228-238.	1.0	13
132	Recent advances in fetal gene therapy. <i>Therapeutic Delivery</i> , 2011, 2, 461-469.	1.2	12
133	Label-Set Loss Functions for Partial Supervision: Application to Fetal Brain 3D MRI Parcellation. <i>Lecture Notes in Computer Science</i> , 2021, , 647-657.	1.0	12
134	Incidence and patterns of abnormal corpus callosum in fetuses with isolated spina bifida aperta. <i>Prenatal Diagnosis</i> , 2021, 41, 957-964.	1.1	12
135	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.	1.1	12
136	Globally Optimal Fetoscopic Mosaicking Based on Pose Graph Optimisation With Affine Constraints. <i>IEEE Robotics and Automation Letters</i> , 2021, 6, 7831-7838.	3.3	12
137	Tests to predict imminent delivery in threatened preterm labour. <i>BMJ, The</i> , 2015, 350, h2183-h2183.	3.0	11
138	Tissuepatch is biocompatible and seals iatrogenic membrane defects in a rabbit model. <i>Prenatal Diagnosis</i> , 2018, 38, 99-105.	1.1	11
139	In Vitro Human Placental Studies to Support Adenovirus-Mediated VEGF-D ¹ 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	11
140	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.	0.7	11
141	Implementation of foetal fibronectin testing: Admissions, maternal interventions and costs at 1 st year. <i>Journal of Obstetrics and Gynaecology</i> , 2016, 36, 888-892.	0.4	10
142	Human Amniocytes Are Receptive to Chemically Induced Reprogramming to Pluripotency. <i>Molecular Therapy</i> , 2017, 25, 427-442.	3.7	10
143	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.	1.1	10
144	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.	0.6	10

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145	Stem cell delivery to kidney via minimally invasive ultrasound-guided renal artery injection in mice. <i>Scientific Reports</i> , 2020, 10, 7514.	1.6	10
146	Preclinical stem cell therapy in fetuses with myelomeningocele: A systematic review and meta-analysis. <i>Prenatal Diagnosis</i> , 2021, 41, 283-300.	1.1	10
147	Distributionally Robust Segmentation of Abnormal Fetal Brain 3D MRI. <i>Lecture Notes in Computer Science</i> , 2021, , 263-273.	1.0	10
148	Contractile properties of the developing fetal sheep bladder. <i>Neurourology and Urodynamics</i> , 2005, 24, 276-281.	0.8	9
149	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.	0.5	9
150	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> , 2017, 37, 273-281.	1.1	9
151	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.	0.9	9
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