

Jan Deprest

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.

615
papers

18,547
citations

66
h-index

110
g-index

707
ext. papers

22,259
ext. citations

4
avg, IF

6.6
L-index

#	Paper	IF	Citations
615	Large-scale surgical workflow segmentation for laparoscopic sacrocolpopexy.. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2022 , 1	3.9	0
614	The association between vein-to-vein anastomoses and birth weight discordance in relation to placental sharing in monochorionic twin placentas.. <i>Placenta</i> , 2022 , 118, 16-19	3.4	0
613	Maternal-Fetal Therapy: The (Psycho)Social Dilemma.. <i>American Journal of Bioethics</i> , 2022 , 22, 63-65	1.1	1
612	International Urogynecological Consultation (IUC): pathophysiology of pelvic organ prolapse (POP).. <i>International Urogynecology Journal</i> , 2022 , 1	2	2
611	Challenges and Pitfalls: Performing Clinical Trials in Patients With Congenital Diaphragmatic Hernia.. <i>Frontiers in Pediatrics</i> , 2022 , 10, 852843	3.4	
610	Authors' reply re: 'Vaginal Er:YAG laser application in the menopausal ewe model: a randomised estrogen and sham-controlled trial'. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2021 ,	3.7	
609	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
608	The randomized TOTAL-trials on fetal surgery for congenital diaphragmatic hernia: re-analysis using pooled data. <i>American Journal of Obstetrics and Gynecology</i> , 2021 ,	6.4	2
607	A Systematic Review of the Influence of Continuous Positive Airway Pressure on Fetal and Newborn Animal Models: Suggestions to Improve Neonatal Respiratory Care. <i>Neonatology</i> , 2021 , 118, 5-14	4	1
606	Prenatal ultrasonographic markers for prediction of complex gastroschisis and adverse perinatal outcomes: a systematic review and meta-analysis. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2021 ,	4.7	2
605	Laparoscopic Pelvic Floor Surgery 2021 , 695-707		
604	Validation of a high-fidelity training model for fetoscopic spina bifida surgery. <i>Scientific Reports</i> , 2021 , 11, 6109	4.9	3
603	Pregnancy, labour and delivery as risk factors for pelvic organ prolapse: a systematic review. <i>International Urogynecology Journal</i> , 2021 , 32, 1623-1631	2	3
602	Obstetric risk factors for anorectal dysfunction after delivery: a systematic review and meta-analysis. <i>International Urogynecology Journal</i> , 2021 , 32, 2325-2336	2	5
601	The Detection, Outcome, and Presentation of Twin-Twin Transfusion Syndrome in Monochorionic Diamniotic Twin Pregnancies Followed with a Protocol of Fortnightly Ultrasound Examination. <i>Fetal Diagnosis and Therapy</i> , 2021 , 48, 353-360	2.4	5
600	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
599	Fetoscopic myelomeningocele closure: Is the scientific evidence enough to challenge the gold standard for prenatal surgery?. <i>Prenatal Diagnosis</i> , 2021 , 41, 949-956	3.2	5

598	Fetal endoscopic tracheal occlusion for congenital diaphragmatic hernia: a narrative review of the history, current practice, and future directions. <i>Translational Pediatrics</i> , 2021 , 10, 1448-1460	4.2	2
597	Fetally-injected drugs for immobilization and analgesia do not modify fetal brain development in a rabbit model. <i>Prenatal Diagnosis</i> , 2021 , 41, 1164-1170	3.2	1
596	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
595	Effects of general anaesthesia during pregnancy on neurocognitive development of the fetus: a systematic review and meta-analysis. <i>British Journal of Anaesthesia</i> , 2021 , 126, 1128-1140	5.4	3
594	Transplacental Transfer and Fetal Pharmacodynamics of Sildenafil in the Pregnant Sheep Model. <i>Fetal Diagnosis and Therapy</i> , 2021 , 48, 411-420	2.4	0
593	Risk Factors Associated with Preterm Prelabor Rupture of Membranes after Cord Occlusion in Monochorionic Diamniotic Twins. <i>Fetal Diagnosis and Therapy</i> , 2021 , 48, 457-463	2.4	0
592	Intrapulmonary artery Doppler to predict mortality and morbidity in fetuses with mild or moderate left-sided congenital diaphragmatic hernia. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , 58, 590-596	5.8	1
591	Randomized Trial of Fetal Surgery for Severe Left Diaphragmatic Hernia. <i>New England Journal of Medicine</i> , 2021 , 385, 107-118	59.2	26
590	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
589	Optimal gestational age at delivery in isolated left-sided congenital diaphragmatic hernia. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , 57, 968-973	5.8	3
588	Vaginal Er:YAG laser application in the menopausal ewe model: a randomised estrogen and sham-controlled trial. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2021 , 128, 1087-1096	2.7	10
587	Fetal endoscopic tracheal occlusion reverses the natural history of right-sided congenital diaphragmatic hernia: European multicenter experience. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , 57, 378-385	5.8	4
586	The TOTAL trial dilemma: A survey among professionals on equipoise regarding fetal therapy for severe congenital diaphragmatic hernia. <i>Prenatal Diagnosis</i> , 2021 , 41, 179-189	3.2	5
585	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
584	Safety and efficacy of smart tracheal occlusion device in diaphragmatic hernia lamb model. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , 57, 105-112	5.8	3
583	A uniaxial force and stiffness model of the vagina during laparoscopic sacrocolpopexy. <i>Clinical Biomechanics</i> , 2021 , 81, 105204	2.2	
582	Dimensionless squared jerk: An objective differential to assess experienced and novice probe movement in obstetric ultrasound. <i>Prenatal Diagnosis</i> , 2021 , 41, 271-277	3.2	3
581	Artificial placenta and womb technology: Past, current, and future challenges towards clinical translation. <i>Prenatal Diagnosis</i> , 2021 , 41, 145-158	3.2	12

580	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
579	Placental gas exchange during amniotic carbon dioxide insufflation in sheep. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , 57, 305-313	5.8	
578	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
577	Effects of Maternal Abdominal Surgery on Fetal Brain Development in the Rabbit Model. <i>Fetal Diagnosis and Therapy</i> , 2021 , 48, 189-200	2.4	3
576	Earlier preterm birth is associated with a worse neurocognitive outcome in a rabbit model. <i>PLoS ONE</i> , 2021 , 16, e0246008	3.7	0
575	Animal models for pelvic organ prolapse: systematic review. <i>International Urogynecology Journal</i> , 2021 , 32, 1331-1344	2	4
574	Study protocol: a core outcome set for perinatal interventions for congenital diaphragmatic hernia. <i>Trials</i> , 2021 , 22, 158	2.8	3
573	Authors' reply re: Vaginal Er:YAG laser application in the menopausal ewe model: a randomised estrogen and sham-controlled trial. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2021 , 128, 1099	3.7	0
572	Authors' reply re: Hysteropexy in the treatment of uterine prolapse stage 2 or higher: laparoscopic sacrohysteropexy versus sacrospinous hysteropexy-a multicentre randomised controlled trial (LAVA trial). <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2021 , 128, 939-940	3.7	
571	Authors' reply re: Vaginal Er:YAG laser application in the menopausal ewe model: a randomised estrogen and sham-controlled trial. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2021 , 128, 1100-1101	3.7	
570	Randomized Trial of Fetal Surgery for Moderate Left Diaphragmatic Hernia. <i>New England Journal of Medicine</i> , 2021 , 385, 119-129	59.2	15
569	Maternal outcomes and risk factors for COVID-19 severity among pregnant women. <i>Scientific Reports</i> , 2021 , 11, 13898	4.9	27
568	'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
567	Age and/or postmenopausal status as risk factors for pelvic organ prolapse development: systematic review with meta-analysis. <i>International Urogynecology Journal</i> , 2021 , 1	2	3
566	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
565	Stretch increases alveolar type 1 cell number in fetal lungs through ROCK-Yap/Taz pathway. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2021 , 321, L814-L826	5.8	1
564	MIDeepSeg: Minimally interactive segmentation of unseen objects from medical images using deep learning. <i>Medical Image Analysis</i> , 2021 , 72, 102102	15.4	5
563	Automatic Extraction of Hiatal Dimensions in 3-D Transperineal Pelvic Ultrasound Recordings. <i>Ultrasound in Medicine and Biology</i> , 2021 , 47, 3470-3479	3.5	1

562	Complex gastroschisis: a new indication for fetal surgery?. <i>Ultrasound in Obstetrics and Gynecology</i> , 2021 , 58, 804-812	5.8	1
561	The effect of xenon on fetal neurodevelopment following maternal sevoflurane anesthesia and laparotomy in rabbits. <i>Neurotoxicology and Teratology</i> , 2021 , 87, 106994	3.9	2
560	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
559	Pharmacokinetics and pharmacodynamics of sildenafil in fetal lambs on extracorporeal support. <i>Biomedicine and Pharmacotherapy</i> , 2021 , 143, 112161	7.5	1
558	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
557	Distributionally Robust Segmentation of Abnormal Fetal Brain 3D MRI. <i>Lecture Notes in Computer Science</i> , 2021 , 263-273	0.9	3
556	Automatic Tomographic Ultrasound Imaging Sequence Extraction of the Anal Sphincter. <i>Lecture Notes in Computer Science</i> , 2021 , 35-44	0.9	
555	Right or wrong? Looking through the retrospectroscope to analyse predictions made a decade ago in prenatal diagnosis and fetal surgery. <i>Prenatal Diagnosis</i> , 2020 , 40, 1627-1635	3.2	2
554	Arterial blood pressure and arterial blood gas values in conscious pregnant rabbits. <i>Veterinary Anaesthesia and Analgesia</i> , 2020 , 47, 849-851	1.3	3
553	Fetal interventions in the setting of the coronavirus disease 2019 pandemic: statement from the North American Fetal Therapy Network. <i>American Journal of Obstetrics and Gynecology</i> , 2020 , 223, 281-284	6.4	9
552	Fetal Diagnosis and Therapy during the COVID-19 Pandemic: Guidance on Behalf of the International Fetal Medicine and Surgery Society. <i>Fetal Diagnosis and Therapy</i> , 2020 , 47, 689-698	2.4	19
551	FetNet: a recurrent convolutional network for occlusion identification in fetoscopic videos. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020 , 15, 791-801	3.9	5
550	Intermittent CPAP limits hyperoxia-induced lung damage in a rabbit model of bronchopulmonary dysplasia. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 318, L976-L987	5.8	6
549	New device permitting non-invasive reversal of fetal endoscopic tracheal occlusion: ex-vivo and in-vivo study. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020 , 56, 522-531	5.8	5
548	Functional supramolecular bioactivated electrospun mesh improves tissue ingrowth in experimental abdominal wall reconstruction in rats. <i>Acta Biomaterialia</i> , 2020 , 106, 82-91	10.8	15
547	Long-term neuropathological and/or neurobehavioral effects of antenatal corticosteroid therapy in animal models: a systematic review. <i>Pediatric Research</i> , 2020 , 87, 1157-1170	3.2	5
546	Preterm birth impairs postnatal lung development in the neonatal rabbit model. <i>Respiratory Research</i> , 2020 , 21, 59	7.3	9
545	Simulated vaginal delivery causes transients vaginal smooth muscle hypersensitivity and urethral sphincter dysfunction. <i>Neurourology and Urodynamics</i> , 2020 , 39, 898-906	2.3	2

544	Outcome of monochorionic twin pregnancy with selective fetal growth restriction at 16, 20 or 30 weeks according to new Delphi consensus definition. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020 , 56, 821-830	5.8	11
543	Early surgical complications after congenital diaphragmatic hernia repair by thoracotomy vs. laparotomy: A bicentric comparison. <i>Journal of Pediatric Surgery</i> , 2020 , 55, 2105-2110	2.6	6
542	Deep learning-based monocular placental pose estimation: towards collaborative robotics in fetoscopy. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020 , 15, 1561-1571	3.9	4
541	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
540	Hysteropexy in the treatment of uterine prolapse stage 2 or higher: laparoscopic sacrohysteropexy versus sacrospinous hysteropexy-a multicentre randomised controlled trial (LAVA trial). <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2020 , 127, 1284-1293	3.7	8
539	Laser therapy for urinary incontinence and pelvic organ prolapse: a systematic review. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2020 , 127, 1338-1346	3.7	10
538	Micro-computed tomography of isolated fetal hearts following termination of pregnancy: A feasibility study at 8 to 12 weeks' gestation. <i>Prenatal Diagnosis</i> , 2020 , 40, 984-990	3.2	4
537	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit. <i>PLoS ONE</i> , 2020 , 15, e0241384	3.7	0
536	The ewe as an animal model of vaginal atrophy and vaginal Er:YAG laser application. <i>Menopause</i> , 2020 , 28, 198-206	2.5	2
535	Pregnancy-related pharmacokinetics and antimicrobial prophylaxis during fetal surgery, cefazolin and clindamycin as examples. <i>Prenatal Diagnosis</i> , 2020 , 40, 1178-1184	3.2	2
534	Deep Placental Vessel Segmentation for Fetoscopic Mosaicking. <i>Lecture Notes in Computer Science</i> , 2020 , 763-773	0.9	6
533	Automatic C-Plane Detection in Pelvic Floor Transperineal Volumetric Ultrasound. <i>Lecture Notes in Computer Science</i> , 2020 , 136-145	0.9	2
532	The vascular equator in monochorionic twin placentas. <i>Placenta</i> , 2020 , 99, 193-196	3.4	3
531	Complementary Effect of Maternal Sildenafil and Fetal Tracheal Occlusion Improves Lung Development in the Rabbit Model of Congenital Diaphragmatic Hernia. <i>Annals of Surgery</i> , 2020 , 275,	7.8	3
530	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
529	An automated framework for localization, segmentation and super-resolution reconstruction of fetal brain MRI. <i>NeuroImage</i> , 2020 , 206, 116324	7.9	64
528	Photoacoustic imaging of the human placental vasculature. <i>Journal of Biophotonics</i> , 2020 , 13, e2019001671	3.7	19
527	Consensus diagnostic criteria and monitoring of twin anemia-polycythemia sequence: Delphi procedure. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020 , 56, 388-394	5.8	15

526	Monochorionic twins after in-vitro fertilization: do they have poorer outcomes?. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020 , 56, 831-836	5.8	2
525	In case you missed it: The Prenatal Diagnosis editors bring you the most significant advances of 2019. <i>Prenatal Diagnosis</i> , 2020 , 40, 287-293	3.2	5
524	Laparoscopic sacrocolpopexy: A comprehensive literature review on current practice. <i>European Journal of Obstetrics, Gynecology and Reproductive Biology</i> , 2020 , 245, 94-101	2.4	21
523	Survey on surgery for stress urinary incontinence in an era mid-urethral slings are being questioned. <i>International Urogynecology Journal</i> , 2020 , 31, 695-702	2	1
522	Fetal surgical intervention for myelomeningocele: lessons learned, outcomes, and future implications. <i>Developmental Medicine and Child Neurology</i> , 2020 , 62, 417-425	3.3	15
521	Exo-anal imaging of the anal sphincter: a comparison between introital and transperineal image acquisition. <i>International Urogynecology Journal</i> , 2020 , 31, 1107-1113	2	6
520	Predicting the mechanical response of the vaginal wall in ball burst tests based on histology. <i>Journal of Biomedical Materials Research - Part B Applied Biomaterials</i> , 2020 , 108, 1925-1933	3.5	2
519	Long-term neurological effects of neonatal caffeine treatment in a rabbit model of preterm birth. <i>Pediatric Research</i> , 2020 , 87, 1011-1018	3.2	3
518	Simvastatin attenuates lung functional and vascular effects of hyperoxia in preterm rabbits. <i>Pediatric Research</i> , 2020 , 87, 1193-1200	3.2	5
517	Reply. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020 , 56, 634-635	5.8	
516	Foetal therapies and their influence on preterm birth. <i>Seminars in Immunopathology</i> , 2020 , 42, 501-514	12	1
515	Development of a Core outcome set for fetal Myelomeningocele (COSMiC): study protocol. <i>Trials</i> , 2020 , 21, 732	2.8	4
514	A semi-automated method for unbiased alveolar morphometry: Validation in a bronchopulmonary dysplasia model. <i>PLoS ONE</i> , 2020 , 15, e0239562	3.7	2
513	Deep learning-based fetoscopic mosaicking for field-of-view expansion. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020 , 15, 1807-1816	3.9	7
512	Intratracheal budesonide/surfactant attenuates hyperoxia-induced lung injury in preterm rabbits. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2020 , 319, L949-L956	5.8	5
511	Effects of non-ablative Er:YAG laser on the skin and the vaginal wall: systematic review of the clinical and experimental literature. <i>International Urogynecology Journal</i> , 2020 , 31, 2473-2484	2	3
510	Systematic Review and Meta-Analysis on Hysterectomy by Vaginal Natural Orifice Transluminal Endoscopic Surgery (vNOTES) Compared to Laparoscopic Hysterectomy for Benign Indications. <i>Journal of Clinical Medicine</i> , 2020 , 9,	5.1	11
509	Prenatal Growth in Fetuses with Isolated Cyanotic and Non-Cyanotic Congenital Heart Defects. <i>Fetal Diagnosis and Therapy</i> , 2020 , 47, 411-419	2.4	8

508	Application of a postnatal prediction model of survival in CDH in the era of fetal therapy. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2020 , 33, 1818-1823	2	3
507	Assessment of Electrospun and Ultra-lightweight Polypropylene Meshes in the Sheep Model for Vaginal Surgery. <i>European Urology Focus</i> , 2020 , 6, 190-198	5.1	19
506	Influence of osmolarity and hydration on the tear resistance of the human amniotic membrane. <i>Journal of Biomechanics</i> , 2020 , 98, 109419	2.9	3
505	Fetal MRI for dummies: what the fetal medicine specialist should know about acquisitions and sequences. <i>Prenatal Diagnosis</i> , 2020 , 40, 6-17	3.2	7
504	Learning curves of open and endoscopic fetal spina bifida closure: systematic review and meta-analysis. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020 , 55, 730-739	5.8	29
503	Open Fetal Surgery 2020 , 454-467.e2		
502	Core outcome set for studies investigating management of selective fetal growth restriction in twins. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020 , 55, 652-660	5.8	13
501	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
500	Prenatal diagnosis, imaging, and prognosis in Congenital Diaphragmatic Hernia. <i>Seminars in Perinatology</i> , 2020 , 44, 51163	3.3	17
499	What should we tell parents? Congenital diaphragmatic hernia. <i>Prenatal Diagnosis</i> , 2020 ,	3.2	2
498	Screening for COVID-19 at childbirth: is it effective?. <i>Ultrasound in Obstetrics and Gynecology</i> , 2020 , 56, 113-114	5.8	11
497	A semi-automated method for unbiased alveolar morphometry: Validation in a bronchopulmonary dysplasia model 2020 , 15, e0239562		
496	A semi-automated method for unbiased alveolar morphometry: Validation in a bronchopulmonary dysplasia model 2020 , 15, e0239562		
495	A semi-automated method for unbiased alveolar morphometry: Validation in a bronchopulmonary dysplasia model 2020 , 15, e0239562		
494	A semi-automated method for unbiased alveolar morphometry: Validation in a bronchopulmonary dysplasia model 2020 , 15, e0239562		
493	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit 2020 , 15, e0241384		
492	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit 2020 , 15, e0241384		
491	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit 2020 , 15, e0241384		

490	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit 2020 , 15, e0241384		
489	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit 2020 , 15, e0241384		
488	Glomerular developmental delay and proteinuria in the preterm neonatal rabbit 2020 , 15, e0241384		
487	Fetal surgery for open spina bifida. <i>The Obstetrician and Gynaecologist</i> , 2019 , 21, 271-282	0.9	17
486	Handheld Active Add-On Control Unit for a Cable-Driven Flexible Endoscope. <i>Frontiers in Robotics and AI</i> , 2019 , 6, 87	2.8	6
485	In VivoForce Sensing During Laparoscopic Sacrocolpopexy Vaginal Vault Manipulation. <i>Journal of Medical Robotics Research</i> , 2019 , 04, 1950003	1.1	1
484	Robotic Control of a Multi-Modal Rigid Endoscope Combining Optical Imaging with All-Optical Ultrasound 2019 ,		3
483	Physiological effects of partial amniotic carbon dioxide insufflation with cold, dry vs heated, humidified gas in a sheep model. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019 , 53, 340-347	5.8	14
482	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
481	Anesthesia for non-obstetric surgery during pregnancy in a tertiary referral center: a 16-year retrospective, matched case-control, cohort study. <i>International Journal of Obstetric Anesthesia</i> , 2019 , 39, 74-81	2.1	19
480	Validation of the Fetal Lamb Model of Spina Bifida. <i>Scientific Reports</i> , 2019 , 9, 9327	4.9	7
479	The proportion of alveolar type 1 cells decreases in murine hypoplastic congenital diaphragmatic hernia lungs. <i>PLoS ONE</i> , 2019 , 14, e0214793	3.7	7
478	Targeting mechanotransduction mechanisms and tissue weakening signals in the human amniotic membrane. <i>Scientific Reports</i> , 2019 , 9, 6718	4.9	7
477	Early neuropathological and neurobehavioral consequences of preterm birth in a rabbit model. <i>Scientific Reports</i> , 2019 , 9, 3506	4.9	11
476	Placental vascular recruitment after single intrauterine demise: A newly diagnosed phenomenon unique to monochorionic pregnancies. <i>Prenatal Diagnosis</i> , 2019 , 39, 409-412	3.2	2
475	Long-term outcome of pre- and perinatal management of congenital head and neck tumors and malformations. <i>International Journal of Pediatric Otorhinolaryngology</i> , 2019 , 121, 164-172	1.7	9
474	Biomechanical Behaviour and Biocompatibility of Ureidopyrimidinone-Polycarbonate Electrospun and Polypropylene Meshes in a Hernia Repair in Rabbits. <i>Materials</i> , 2019 , 12,	3.5	3
473	Morphological and Functional Changes in the Vagina following Critical Lifespan Events in the Ewe. <i>Gynecologic and Obstetric Investigation</i> , 2019 , 84, 360-368	2.5	9

472	Antenatal therapy with sildenafil: don't throw the baby out with the bathwater. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019 , 53, 274-275	5.8	5
471	Effects of tracheal occlusion on the neonatal cardiopulmonary transition in an ovine model of diaphragmatic hernia. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2019 , 104, F609-F616	4.7	3
470	Neonatal cardiopulmonary transition in an ovine model of congenital diaphragmatic hernia. <i>Archives of Disease in Childhood: Fetal and Neonatal Edition</i> , 2019 , 104, F617-F623	4.7	10
469	Local pulmonary drug delivery in the preterm rabbit: feasibility and efficacy of daily intratracheal injections. <i>American Journal of Physiology - Lung Cellular and Molecular Physiology</i> , 2019 , 316, L589-L597	5.8	10
468	DeepIGeoS: 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
467	Delivery mode choice adds to complexity of counselling for spina bifida. <i>BJOG: an International Journal of Obstetrics and Gynaecology</i> , 2019 , 126, 328	3.7	
466	Antenatal sildenafil treatment improves neonatal pulmonary hemodynamics and gas exchange in lambs with diaphragmatic hernia. <i>Ultrasound in Obstetrics and Gynecology</i> , 2019 , 54, 506-516	5.8	9
465	Medium-term outcome of laparoscopic sacrocolpopexy using polyvinylidene fluoride as compared to a hybrid polyglecaprone and polypropylene mesh: A matched control study. <i>Neurourology and Urodynamics</i> , 2019 , 38, 1874-1882	2.3	2
464	Juvenile cystic adenomyosis: A case report and review of the literature. <i>Australasian Journal of Ultrasound in Medicine</i> , 2019 , 22, 295-300	0.6	3
463	In vitro simulation of in vivo degradation and cyclic loading of novel degradable electrospun meshes for prolapse repair. <i>Polymer Testing</i> , 2019 , 78, 105957	4.5	7
462	The effect of the first vaginal birth on pelvic floor anatomy and dysfunction. <i>International Urogynecology Journal</i> , 2019 , 30, 1689-1696	2	27
461	Maternal surgery during pregnancy has a transient adverse effect on the developing fetal rabbit brain. <i>American Journal of Obstetrics and Gynecology</i> , 2019 , 221, 355.e1-355.e19	6.4	11
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