Michael Aertsen

List of Publications by Year
in descending order

37 papers	1,527 citations	687363 13 h-index	361022 35 g-index
37 all docs	37 docs citations	37 times ranked	1913 citing authors

#	Article	IF	Citations
1	Neuroprotection is improved by watertightness of fetal spina bifida repair in the sheep model. Ultrasound in Obstetrics and Gynecology, 2023, 61, 81-92.	1.7	8
2	Prenatal diagnosis of middle interhemispheric variant of holoprosencephaly: review of literature and prenatal case series. Journal of Maternal-Fetal and Neonatal Medicine, 2022, 35, 4976-4984.	1.5	4
3	<scp>MRI</scp> Characteristics of Pediatric Renal Tumors: A <scp>SIOPâ€RTSG</scp> Radiology Panel Delphi Study. Journal of Magnetic Resonance Imaging, 2022, 55, 543-552.	3.4	18
4	Prevalence of supratentorial anomalies assessed by magnetic resonance imaging in fetuses with open spina bifida. Ultrasound in Obstetrics and Gynecology, 2022, 59, 804-812.	1.7	13
5	What brain abnormalities can magnetic resonance imaging detect in foetal and early neonatal spina bifida: a systematic review. Neuroradiology, 2022, 64, 233-245.	2.2	6
6	Anatomical and diffusionâ€weighted imaging of brain abnormalities in thirdâ€trimester fetuses with cytomegalovirus infection. Ultrasound in Obstetrics and Gynecology, 2022, 60, 68-75.	1.7	8
7	Antenatal management of congenital diaphragmatic hernia: What's next ?. Prenatal Diagnosis, 2022, 42, 291-300.	2.3	9
8	Motion corrected fetal body magnetic resonance imaging provides reliable 3D lung volumes in normal and abnormal fetuses. Prenatal Diagnosis, 2022, 42, 628-635.	2.3	12
9	Developments in functional imaging of the placenta. British Journal of Radiology, 2022, , 20211010.	2.2	9
10	Umbilical venous diameter and flow in monochorionic diamniotic twin pregnancy: association with placental sharing and fetal demise. Ultrasound in Obstetrics and Gynecology, 2022, 60, 514-522.	1.7	3
11	Uterine hemangioma in pregnancy: A case report and review of the literature. Journal of Gynecology Obstetrics and Human Reproduction, 2022, 51, 102401.	1.3	2
12	Pre- and postnatal brain magnetic resonance imaging in congenital cytomegalovirus infection: a case report and a review of the literature. BMC Pediatrics, 2022, 22, 293.	1.7	2
13	Fetal endoscopic tracheal occlusion reverses the natural history of rightâ€sided congenital diaphragmatic hernia: European multicenter experience. Ultrasound in Obstetrics and Gynecology, 2021, 57, 378-385.	1.7	28
14	The prevalence of brain lesions after in utero surgery for twin-to-twin transfusion syndrome on third-trimester MRI: a retrospective cohort study. European Radiology, 2021, 31, 4097-4103.	4.5	9
15	Label-Set Loss Functions for Partial Supervision: Application to Fetal Brain 3D MRI Parcellation. Lecture Notes in Computer Science, 2021, , 647-657.	1.3	12
16	Cortical spectral matching and shape and volume analysis of the fetal brain pre- and post-fetal surgery for spina bifida: a retrospective study. Neuroradiology, 2021, 63, 1721-1734.	2.2	12
17	MIDeepSeg: Minimally interactive segmentation of unseen objects from medical images using deep learning. Medical Image Analysis, 2021, 72, 102102.	11.6	48
18	Distributionally Robust Segmentation of Abnormal Fetal Brain 3D MRI. Lecture Notes in Computer Science, 2021, , 263-273.	1.3	10

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19	Current state of perinatal postmortem magnetic resonance imaging: European Society of Paediatric Radiology questionnaire-based survey and recommendations. Pediatric Radiology, 2021, 51, 792-799.	2.0	6
20	Super‐resolution Reconstruction MRI Application in Fetal Neck Masses and Congenital High Airway Obstruction Syndrome. OTO Open, 2021, 5, 2473974X211055372.	1.4	7
21	Fetal MRI for dummies: what the fetal medicine specialist should know about acquisitions and sequences. Prenatal Diagnosis, 2020, 40, 6-17.	2.3	20
22	An automated framework for localization, segmentation and super-resolution reconstruction of fetal brain MRI. NeuroImage, 2020, 206, 116324.	4.2	160
23	The impact of cerebral anomalies on cognitive outcome in patients with spina bifida: A systematic review. European Journal of Paediatric Neurology, 2020, 28, 16-28.	1.6	6
24	Next-generation sequencing in prenatal setting: Some examples of unexpected variant association. European Journal of Medical Genetics, 2020, 63, 103875.	1.3	10
25	The assessment of placental sharing using X-ray angiogram versus digital photograph: A prospective study. Placenta, 2019, 83, 1-4.	1.5	7
26	Global and Regional Changes in Cortical Development Assessed by MRI in Fetuses with Isolated Nonsevere Ventriculomegaly Correlate with Neonatal Neurobehavior. American Journal of Neuroradiology, 2019, 40, 1567-1574.	2.4	8
27	Aleatoric uncertainty estimation with test-time augmentation for medical image segmentation with convolutional neural networks. Neurocomputing, 2019, 338, 34-45.	5.9	322
28	Reliability of MR Imaging–Based Posterior Fossa and Brain Stem Measurements in Open Spinal Dysraphism in the Era of Fetal Surgery. American Journal of Neuroradiology, 2019, 40, 191-198.	2.4	23
29	Interactive Medical Image Segmentation Using Deep Learning With Image-Specific Fine Tuning. IEEE Transactions on Medical Imaging, 2018, 37, 1562-1573.	8.9	541
30	An Automated Localization, Segmentation and Reconstruction Framework for Fetal Brain MRI. Lecture Notes in Computer Science, 2018, , 313-320.	1.3	26
31	GIFT-Cloud: A data sharing and collaboration platform for medical imaging research. Computer Methods and Programs in Biomedicine, 2017, 139, 181-190.	4.7	57
32	An Update on Imaging in Child Abuse. Journal of the Belgian Society of Radiology, 2017, 101, 9.	0.3	0
33	Slic-Seg: A minimally interactive segmentation of the placenta from sparse and motion-corrupted fetal MRI in multiple views. Medical Image Analysis, 2016, 34, 137-147.	11.6	56
34	Parenchymal Volumetric Assessment as a Predictive Tool to Determine Renal Function Benefit of Nephron-Sparing Surgery Compared with Radical Nephrectomy. Journal of Endourology, 2016, 30, 114-121.	2.1	32
35	In vivo evidence by magnetic resonance volumetry of a gestational age dependent response to tracheal occlusion for congenital diaphragmatic hernia. Prenatal Diagnosis, 2015, 35, 1048-1056.	2.3	16
36	Tumour-related imaging parameters predicting the percentage of preserved normal renal parenchyma following nephron sparing surgery: a retrospective study. European Radiology, 2013, 23, 280-286.	4.5	11

#	Article	IF	Citations
37	A spatio-temporal atlas of the developing fetal brain with spina bifida aperta. Open Research Europe, 0, 1, 123.	2.0	6