

Michael Aertsen

List of Publications by Year in descending order

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37
papers

1,527
citations

687363

13
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361022

35
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all docs

37
docs citations

37
times ranked

1913
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.	8.9	541
2	Aleatoric uncertainty estimation with test-time augmentation for medical image segmentation with convolutional neural networks. Neurocomputing, 2019, 338, 34-45.	5.9	322
3	An automated framework for localization, segmentation and super-resolution reconstruction of fetal brain MRI. NeuroImage, 2020, 206, 116324.	4.2	160
4	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
5	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
6	MIDeepSeg: Minimally interactive segmentation of unseen objects from medical images using deep learning. Medical Image Analysis, 2021, 72, 102102.	11.6	48
7	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
8	Fetal endoscopic tracheal occlusion reverses the natural history of right-sided congenital diaphragmatic hernia: European multicenter experience. Ultrasound in Obstetrics and Gynecology, 2021, 57, 378-385.	1.7	28
9	An Automated Localization, Segmentation and Reconstruction Framework for Fetal Brain MRI. Lecture Notes in Computer Science, 2018, , 313-320.	1.3	26
10	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
11	Fetal MRI for dummies: what the fetal medicine specialist should know about acquisitions and sequences. Prenatal Diagnosis, 2020, 40, 6-17.	2.3	20
12	<scp>MRI</scp> Characteristics of Pediatric Renal Tumors: A <scp>SIOP&RTSG</scp> Radiology Panel Delphi Study. Journal of Magnetic Resonance Imaging, 2022, 55, 543-552.	3.4	18
13	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
14	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
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	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
18	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
19	Next-generation sequencing in prenatal setting: Some examples of unexpected variant association. <i>European Journal of Medical Genetics</i> , 2020, 63, 103875.	1.3	10
20	Distributionally Robust Segmentation of Abnormal Fetal Brain 3D MRI. <i>Lecture Notes in Computer Science</i> , 2021, , 263-273.	1.3	10
21	The prevalence of brain lesions after in utero surgery for twin-to-twin transfusion syndrome on third-trimester MRI: a retrospective cohort study. <i>European Radiology</i> , 2021, 31, 4097-4103.	4.5	9
22	Antenatal management of congenital diaphragmatic hernia: What's next ?. <i>Prenatal Diagnosis</i> , 2022, 42, 291-300.	2.3	9
23	Developments in functional imaging of the placenta. <i>British Journal of Radiology</i> , 2022, , 20211010.	2.2	9
24	Global and Regional Changes in Cortical Development Assessed by MRI in Fetuses with Isolated Nonsevere Ventriculomegaly Correlate with Neonatal Neurobehavior. <i>American Journal of Neuroradiology</i> , 2019, 40, 1567-1574.	2.4	8
25	Anatomical and diffusion-weighted imaging of brain abnormalities in third-trimester fetuses with cytomegalovirus infection. <i>Ultrasound in Obstetrics and Gynecology</i> , 2022, 60, 68-75.	1.7	8
26	Neuroprotection is improved by watertightness of fetal spina bifida repair in the sheep model. <i>Ultrasound in Obstetrics and Gynecology</i> , 2023, 61, 81-92.	1.7	8
27	The assessment of placental sharing using X-ray angiogram versus digital photograph: A prospective study. <i>Placenta</i> , 2019, 83, 1-4.	1.5	7
28	Super-resolution Reconstruction MRI Application in Fetal Neck Masses and Congenital High Airway Obstruction Syndrome. <i>OTO Open</i> , 2021, 5, 2473974X211055372.	1.4	7
29	The impact of cerebral anomalies on cognitive outcome in patients with spina bifida: A systematic review. <i>European Journal of Paediatric Neurology</i> , 2020, 28, 16-28.	1.6	6
30	Current state of perinatal postmortem magnetic resonance imaging: European Society of Paediatric Radiology questionnaire-based survey and recommendations. <i>Pediatric Radiology</i> , 2021, 51, 792-799.	2.0	6
31	A spatio-temporal atlas of the developing fetal brain with spina bifida aperta. <i>Open Research Europe</i> , 0, 1, 123.	2.0	6
32	What brain abnormalities can magnetic resonance imaging detect in foetal and early neonatal spina bifida: a systematic review. <i>Neuroradiology</i> , 2022, 64, 233-245.	2.2	6
33	Prenatal diagnosis of middle interhemispheric variant of holoprosencephaly: review of literature and prenatal case series. <i>Journal of Maternal-Fetal and Neonatal Medicine</i> , 2022, 35, 4976-4984.	1.5	4
34	Umbilical venous diameter and flow in monochorionic diamniotic twin pregnancy: association with placental sharing and fetal demise. <i>Ultrasound in Obstetrics and Gynecology</i> , 2022, 60, 514-522.	1.7	3
35	Uterine hemangioma in pregnancy: A case report and review of the literature. <i>Journal of Gynecology Obstetrics and Human Reproduction</i> , 2022, 51, 102401.	1.3	2
36	Pre- and postnatal brain magnetic resonance imaging in congenital cytomegalovirus infection: a case report and a review of the literature. <i>BMC Pediatrics</i> , 2022, 22, 293.	1.7	2

#	ARTICLE	IF	CITATIONS
37	An Update on Imaging in Child Abuse. Journal of the Belgian Society of Radiology, 2017, 101, 9.	0.3	0