Ana I L Namburete

List of Publications by Year
in descending order

38 papers	674 citations	758635 12 h-index	642321 23 g-index
42 all docs	42 docs citations	42 times ranked	719 citing authors

#	Article	IF	Citations
1	The impact of transfer learning on <scp>3D</scp> deep learning convolutional neural network segmentation of the hippocampus in mild cognitive impairment and Alzheimer disease subjects. Human Brain Mapping, 2022, 43, 3427-3438.	1.9	10
2	Subcortical segmentation of the fetal brain in 3D ultrasound using deep learning. NeuroImage, 2022, 254, 119117.	2.1	15
3	BEAN: Brain Extraction and Alignment Network for 3D Fetal Neurosonography. NeuroImage, 2022, 258, 119341.	2.1	6
4	Learning patterns of the ageing brain in MRI using deep convolutional networks. NeuroImage, 2021, 224, 117401.	2.1	79
5	The association between flow and oxygenation and cortical development in fetuses with congenital heart defects using a brainâ€age prediction algorithm. Prenatal Diagnosis, 2021, 41, 43-51.	1.1	8
6	Sli2Vol: Annotate a 3D Volume from a Single Slice with Self-supervised Learning. Lecture Notes in Computer Science, 2021, , 69-79.	1.0	5
7	Deep learning-based unlearning of dataset bias for MRI harmonisation and confound removal. NeuroImage, 2021, 228, 117689.	2.1	87
8	Learning to map 2D ultrasound images into 3D space with minimal human annotation. Medical Image Analysis, 2021, 70, 101998.	7.0	19
9	TEDS-Net: Enforcing Diffeomorphisms in Spatial Transformers to Guarantee Topology Preservation in Segmentations. Lecture Notes in Computer Science, 2021, , 250-260.	1.0	5
10	Assessment of Regional Cortical Development Through Fissure Based Gestational Age Estimation in 3D Fetal Ultrasound. Lecture Notes in Computer Science, 2021, , 242-252.	1.0	4
11	Self-Supervised Ultrasound to MRI Fetal Brain Image Synthesis. IEEE Transactions on Medical Imaging, 2020, 39, 4413-4424.	5.4	24
12	Low-Memory CNNs Enabling Real-Time Ultrasound Segmentation Towards Mobile Deployment. IEEE Journal of Biomedical and Health Informatics, 2020, 24, 1059-1069.	3.9	17
13	Unlearning Scanner Bias for MRI Harmonisation in Medical Image Segmentation. Communications in Computer and Information Science, 2020, , 15-25.	0.4	2
14	Cortical Plate Segmentation Using CNNs in 3D Fetal Ultrasound. Communications in Computer and Information Science, 2020, , 56-68.	0.4	8
15	Uncertainty Estimates as Data Selection Criteria to Boost Omni-Supervised Learning. Lecture Notes in Computer Science, 2020, , 689-698.	1.0	8
16	Unlearning Scanner Bias for MRI Harmonisation. Lecture Notes in Computer Science, 2020, , 369-378.	1.0	8
17	Improving U-Net Segmentation with Active Contour Based Label Correction. Communications in Computer and Information Science, 2020, , 69-81.	0.4	7
18	Multi-task CNN for Structural Semantic Segmentation in 3D Fetal Brain Ultrasound. Communications in Computer and Information Science, 2020, , 164-173.	0.4	4

#	Article	IF	Citations
19	Segmenting Hepatocellular Carcinoma in Multi-phase CT. Communications in Computer and Information Science, 2020, , 82-92.	0.4	0
20	Automated Fetal Brain Extraction from Clinical Ultrasound Volumes Using 3D Convolutional Neural Networks. Communications in Computer and Information Science, 2020, , 151-163.	0.4	5
21	Cortical development in fetuses with congenital heart defects using an automated brainâ€age prediction algorithm. Acta Obstetricia Et Gynecologica Scandinavica, 2019, 98, 1595-1602.	1.3	6
22	Spatial Warping Network for 3D Segmentation of the Hippocampus in MR Images. Lecture Notes in Computer Science, 2019, , 284-291.	1.0	14
23	Anatomy-Aware Self-supervised Fetal MRI Synthesis from Unpaired Ultrasound Images. Lecture Notes in Computer Science, 2019, , 178-186.	1.0	2
24	Fully-automated alignment of 3D fetal brain ultrasound to a canonical reference space using multi-task learning. Medical Image Analysis, 2018, 46, 1-14.	7.0	72
25	Segmentation of Fetal Adipose Tissue Using Efficient CNNs for Portable Ultrasound. Lecture Notes in Computer Science, 2018, , 55-65.	1.0	2
26	Multi-channel Groupwise Registration to Construct an Ultrasound-Specific Fetal Brain Atlas. Lecture Notes in Computer Science, 2018, , 76-86.	1.0	7
27	Omni-Supervised Learning: Scaling Up to Large Unlabelled Medical Datasets. Lecture Notes in Computer Science, 2018, , 572-580.	1.0	20
28	Learning to segment key clinical anatomical structures in fetal neurosonography informed by a region-based descriptor. Journal of Medical Imaging, 2018, 5, 1.	0.8	7
29	Robust Regression of Brain Maturation from 3D Fetal Neurosonography Using CRNs. Lecture Notes in Computer Science, 2017, , 73-80.	1.0	9
30	Data-driven shape parameterization for segmentation of the right ventricle from 3D+t echocardiography. Medical Image Analysis, 2015, 21, 29-39.	7.0	21
31	Learning-based prediction of gestational age from ultrasound images of the fetal brain. Medical Image Analysis, 2015, 21, 72-86.	7.0	66
32	Predicting Fetal Neurodevelopmental Age from Ultrasound Images. Lecture Notes in Computer Science, 2014, 17, 260-267.	1.0	3
33	Fetal cranial segmentation in 2D ultrasound images using shape properties of pixel clusters. , 2013, , .		17
34	The Effect of External Compression on the Mechanics of Muscle Contraction. Journal of Applied Biomechanics, 2013, 29, 360-364.	0.3	48
35	Projecting the rate of in-field pixel defects based on pixel size, sensor area, and ISO. , 2012, , .		0
36	Regional variations in fascicle curvatures within a muscle belly change during contraction. Journal of Biomechanics, 2012, 45, 2835-2840.	0.9	10

#	Article	IF	Citations
37	Predicting Pixel Defect Rates Based on Image Sensor Parameters. , 2011, , .		7
38	Computational methods for quantifying in vivo muscle fascicle curvature from ultrasound images. Journal of Biomechanics, 2011, 44, 2538-2543.	0.9	39