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	Deep learning-based unlearning of dataset bias for MRI harmonisation and confound removal. NeuroImage, 2021, 228, 117689.	2.1	87
2	Learning patterns of the ageing brain in MRI using deep convolutional networks. NeuroImage, 2021, 224, 117401.	2.1	79
3	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
4	Learning-based prediction of gestational age from ultrasound images of the fetal brain. Medical Image Analysis, 2015, 21, 72-86.	7.0	66
5	The Effect of External Compression on the Mechanics of Muscle Contraction. Journal of Applied Biomechanics, 2013, 29, 360-364.	0.3	48
6	Computational methods for quantifying in vivo muscle fascicle curvature from ultrasound images. Journal of Biomechanics, 2011, 44, 2538-2543.	0.9	39
7	Self-Supervised Ultrasound to MRI Fetal Brain Image Synthesis. IEEE Transactions on Medical Imaging, 2020, 39, 4413-4424.	5.4	24
8	Data-driven shape parameterization for segmentation of the right ventricle from 3D+t echocardiography. Medical Image Analysis, 2015, 21, 29-39.	7.0	21
9	Omni-Supervised Learning: Scaling Up to Large Unlabelled Medical Datasets. Lecture Notes in Computer Science, 2018, , 572-580.	1.0	20
10	Learning to map 2D ultrasound images into 3D space with minimal human annotation. Medical Image Analysis, 2021, 70, 101998.	7.0	19
11	Fetal cranial segmentation in 2D ultrasound images using shape properties of pixel clusters. , 2013, , .		17
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	Subcortical segmentation of the fetal brain in 3D ultrasound using deep learning. NeuroImage, 2022, 254, 119117.	2.1	15
14	Spatial Warping Network for 3D Segmentation of the Hippocampus in MR Images. Lecture Notes in Computer Science, 2019, , 284-291.	1.0	14
15	Regional variations in fascicle curvatures within a muscle belly change during contraction. Journal of Biomechanics, 2012, 45, 2835-2840.	0.9	10
16	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
17	Robust Regression of Brain Maturation from 3D Fetal Neurosonography Using CRNs. Lecture Notes in Computer Science, 2017, , 73-80.	1.0	9
18	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

#	Article	IF	Citations
19	Cortical Plate Segmentation Using CNNs in 3D Fetal Ultrasound. Communications in Computer and Information Science, 2020, , 56-68.	0.4	8
20	Uncertainty Estimates as Data Selection Criteria to Boost Omni-Supervised Learning. Lecture Notes in Computer Science, 2020, , 689-698.	1.0	8
21	Unlearning Scanner Bias for MRI Harmonisation. Lecture Notes in Computer Science, 2020, , 369-378.	1.0	8
22	Predicting Pixel Defect Rates Based on Image Sensor Parameters. , 2011, , .		7
23	Multi-channel Groupwise Registration to Construct an Ultrasound-Specific Fetal Brain Atlas. Lecture Notes in Computer Science, 2018, , 76-86.	1.0	7
24	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
25	Improving U-Net Segmentation with Active Contour Based Label Correction. Communications in Computer and Information Science, 2020, , 69-81.	0.4	7
26	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
27	BEAN: Brain Extraction and Alignment Network for 3D Fetal Neurosonography. NeuroImage, 2022, 258, 119341.	2.1	6
28	Sli2Vol: Annotate a 3D Volume from a Single Slice with Self-supervised Learning. Lecture Notes in Computer Science, 2021, , 69-79.	1.0	5
29	TEDS-Net: Enforcing Diffeomorphisms in Spatial Transformers to Guarantee Topology Preservation in Segmentations. Lecture Notes in Computer Science, 2021, , 250-260.	1.0	5
30	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
31	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
32	Multi-task CNN for Structural Semantic Segmentation in 3D Fetal Brain Ultrasound. Communications in Computer and Information Science, 2020, , 164-173.	0.4	4
33	Predicting Fetal Neurodevelopmental Age from Ultrasound Images. Lecture Notes in Computer Science, 2014, 17, 260-267.	1.0	3
34	Segmentation of Fetal Adipose Tissue Using Efficient CNNs for Portable Ultrasound. Lecture Notes in Computer Science, 2018, , 55-65.	1.0	2
35	Unlearning Scanner Bias for MRI Harmonisation in Medical Image Segmentation. Communications in Computer and Information Science, 2020, , 15-25.	0.4	2
36	Anatomy-Aware Self-supervised Fetal MRI Synthesis from Unpaired Ultrasound Images. Lecture Notes in Computer Science, 2019, , 178-186.	1.0	2

#	Article	IF	Citations
37	Projecting the rate of in-field pixel defects based on pixel size, sensor area, and ISO. , 2012, , .		0
38	Segmenting Hepatocellular Carcinoma in Multi-phase CT. Communications in Computer and Information Science, 2020, , 82-92.	0.4	0