Helena Daniela Ribeiro Torres

List of Publications by Year
in descending order

16 papers	165 citations	1684188 5 h-index	1588992 8 g-index
16 all docs	16 docs citations	16 times ranked	165 citing authors

#	Article	IF	Citations
1	A review of image processing methods for fetal head and brain analysis in ultrasound images. Computer Methods and Programs in Biomedicine, 2022, 215, 106629.	4.7	25
2	Structural mechanical simulation to optimize the sensor arm geometry to be implemented on cranial remodeling orthosis. AIP Conference Proceedings, 2022, , .	0.4	0
3	Fetal head circumference delineation using convolutional neural networks with registration-based ellipse fitting. , 2022, , .		1
4	Study of the compression behavior of functionally graded lattice for customized cranial remodeling orthosis. Journal of the Mechanical Behavior of Biomedical Materials, 2022, 130, 105191.	3.1	2
5	Anthropometric Landmarking for Diagnosis of Cranial Deformities: Validation of an Automatic Approach and Comparison with Intra- and Interobserver Variability. Annals of Biomedical Engineering, 2022, 50, 1022-1037.	2.5	2
6	Realistic 3D infant head surfaces augmentation to improve AI-based diagnosis of cranial deformities. Journal of Biomedical Informatics, 2022, 132, 104121.	4.3	0
7	Kidney Segmentation in 3-D Ultrasound Images Using a Fast Phase-Based Approach. IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control, 2021, 68, 1521-1531.	3.0	9
8	Anthropometric Landmark Detection in 3D Head Surfaces Using a Deep Learning Approach. IEEE Journal of Biomedical and Health Informatics, 2021, 25, 2643-2654.	6.3	6
9	Real-Time Human Body Pose Estimation for In-Car Depth Images. IFIP Advances in Information and Communication Technology, 2019, , 169-182.	0.7	4
10	Synthetic infant head shapes with deformational plagiocephaly: concept and 3D model parameterization. , 2019, , .		2
11	Deep learning-based detection of anthropometric landmarks in 3D infants head models. , 2019, , .		7
12	Automatic strategy for extraction of anthropometric measurements for the diagnostic and evaluation of deformational plagiocephaly from infantâ€™s head models. , 2019, , .		4
13	A novel multi-atlas strategy with dense deformation field reconstruction for abdominal and thoracic multi-organ segmentation from computed tomography. Medical Image Analysis, 2018, 45, 108-120.	11.6	30
14	Kidney segmentation in ultrasound, magnetic resonance and computed tomography images: A systematic review. Computer Methods and Programs in Biomedicine, 2018, 157, 49-67.	4.7	67
15	Segmentation of kidney and renal collecting system on 3D computed tomography images. , 2018, , .		3
16	Kidney segmentation in 3D CT images using B-Spline Explicit Active Surfaces. , 2016, , .		3