

Diana Mateus

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

56
papers

801
citations

13
h-index

26
g-index

62
ext. papers

941
ext. citations

3.6
avg, IF

4.23
L-index

#	Paper	IF	Citations
56	Leveraging Multi-Task Learning to Cope With Poor and Missing Labels of Mammograms 2022 , 1,		1
55	A Multi-Objective Comparative Analysis of Reconstruction Algorithms in the Context of Low-Statistics 90Y-PET Imaging. <i>IEEE Transactions on Radiation and Plasma Medical Sciences</i> , 2021 , 1-1	4.2	
54	Random survival forest to predict transplant-eligible newly diagnosed multiple myeloma outcome including FDG-PET radiomics: a combined analysis of two independent prospective European trials. <i>European Journal of Nuclear Medicine and Molecular Imaging</i> , 2021 , 48, 1005-1015	8.8	9
53	Trainable Summarization to Improve Breast Tomosynthesis Classification. <i>Lecture Notes in Computer Science</i> , 2021 , 140-149	0.9	
52	IFSS-Net: Interactive Few-Shot Siamese Network for Faster Muscle Segmentation and Propagation in Volumetric Ultrasound. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 2615-2628	11.7	6
51	Looking for Abnormalities in Mammograms With Self- and Weakly Supervised Reconstruction. <i>IEEE Transactions on Medical Imaging</i> , 2021 , 40, 2711-2722	11.7	5
50	Local-Mean Preserving Post-Processing Step for Non-Negativity Enforcement in PET Imaging: Application to Y-PET. <i>IEEE Transactions on Medical Imaging</i> , 2020 , 39, 3725-3736	11.7	2
49	Precise proximal femur fracture classification for interactive training and surgical planning. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020 , 15, 847-857	3.9	13
48	Spatio-Temporal Consistency and Negative Label Transfer for 3D Freehand US Segmentation. <i>Lecture Notes in Computer Science</i> , 2020 , 710-720	0.9	3
47	Combining Superpixels and Deep Learning Approaches to Segment Active Organs in Metastatic Breast Cancer PET Images. <i>Annual International Conference of the IEEE Engineering in Medicine and Biology Society IEEE Engineering in Medicine and Biology Society Annual International Conference</i> , 2020 , 2020, 1536-1539	0.9	5
46	Leveraging RSF and PET images for prognosis of multiple myeloma at diagnosis. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2020 , 15, 129-139	3.9	11
45	Uncertainty Measurements for the Reliable Classification of Mammograms. <i>Lecture Notes in Computer Science</i> , 2019 , 495-503	0.9	5
44	Medical-based Deep Curriculum Learning for Improved Fracture Classification. <i>Lecture Notes in Computer Science</i> , 2019 , 694-702	0.9	11
43	Human Pose Estimation from Pressure Sensor Data. <i>Informatik Aktuell</i> , 2018 , 285-290	0.3	4
42	Spatial Compounding of 3-D Fetal Brain Ultrasound Using Probabilistic Maps. <i>Ultrasound in Medicine and Biology</i> , 2018 , 44, 278-291	3.5	3
41	Capsule Networks Against Medical Imaging Data Challenges. <i>Lecture Notes in Computer Science</i> , 2018 , 150-160	0.9	29
40	Optical classification of neoplastic colorectal polyps - a computer-assisted approach (the COACH study). <i>Scandinavian Journal of Gastroenterology</i> , 2018 , 53, 1100-1106	2.4	25

39	Guiding multimodal registration with learned optimization updates. <i>Medical Image Analysis</i> , 2017 , 41, 2-17	15.4	13
38	Automatic Classification of Proximal Femur Fractures Based on Attention Models. <i>Lecture Notes in Computer Science</i> , 2017 , 70-78	0.9	11
37	Assisting the examination of large histopathological slides with adaptive forests. <i>Medical Image Analysis</i> , 2017 , 35, 655-668	15.4	2
36	Learning Optimization Updates for Multimodal Registration. <i>Lecture Notes in Computer Science</i> , 2016 , 19-27	0.9	6
35	A Deep Metric for Multimodal Registration. <i>Lecture Notes in Computer Science</i> , 2016 , 10-18	0.9	72
34	Automatic Guide-Wire Detection for Neurointerventions Using Low-Rank Sparse Matrix Decomposition and Denoising. <i>Lecture Notes in Computer Science</i> , 2015 , 114-123	0.9	
33	Computational Sonography. <i>Lecture Notes in Computer Science</i> , 2015 , 459-466	0.9	4
32	Online tracking of interventional devices for endovascular aortic repair. <i>International Journal of Computer Assisted Radiology and Surgery</i> , 2015 , 10, 773-81	3.9	16
31	Robust Temporally Coherent Laplacian Protrusion Segmentation of 3D Articulated Bodies. <i>International Journal of Computer Vision</i> , 2015 , 112, 43-70	10.6	
30	Scale-Adaptive Forest Training via an Efficient Feature Sampling Scheme. <i>Lecture Notes in Computer Science</i> , 2015 , 637-644	0.9	9
29	A sparse approach to build shape models with routine clinical data 2014 ,		2
28	Stereo Time-of-Flight with Constructive Interference. <i>IEEE Transactions on Pattern Analysis and Machine Intelligence</i> , 2014 , 36, 1402-13	13.3	2
27	Leveraging random forests for interactive exploration of large histological images. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 1-8	0.9	6
26	A quadratic energy minimization framework for signal loss estimation from arbitrarily sampled ultrasound data. <i>Lecture Notes in Computer Science</i> , 2014 , 17, 373-80	0.9	5
25	Human skeleton tracking from depth data using geodesic distances and optical flow. <i>Image and Vision Computing</i> , 2012 , 30, 217-226	3.7	141
24	Recognizing multiple human activities and tracking full-body pose in unconstrained environments. <i>Pattern Recognition</i> , 2012 , 45, 11-23	7.7	22
23	Endoscopic video manifolds for targeted optical biopsy. <i>IEEE Transactions on Medical Imaging</i> , 2012 , 31, 637-53	11.7	27
22	Computer-Aided Diagnosis of Pigmented Skin Dermoscopic Images. <i>Lecture Notes in Computer Science</i> , 2012 , 105-115	0.9	8

21	Detection and identification of macromolecular complexes in cryo-electron tomograms using support vector machines 2012 ,		6
20	Learning Manifolds. <i>Advances in Bioinformatics and Biomedical Engineering Book Series</i> , 2012 , 374-402	0.4	1
19	Building Implicit Dictionaries Based on Extreme Random Clustering for Modality Recognition. <i>Lecture Notes in Computer Science</i> , 2012 , 47-57	0.9	1
18	Estimating human 3D pose from Time-of-Flight images based on geodesic distances and optical flow 2011 ,		37
17	Manifold learning for dimensionality reduction and clustering of skin spectroscopy data 2011 ,		1
16	Tracking planes with Time of Flight cameras and J-linkage 2011 ,		7
15	STARS: A new ensemble partitioning approach 2011 ,		1
14	2011 ,		16
13	Stereo time-of-flight 2011 ,		14
12	Fast multiple organ detection and localization in whole-body MR dixon sequences. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 239-47	0.9	53
11	Targeted optical biopsies for surveillance endoscopies. <i>Lecture Notes in Computer Science</i> , 2011 , 14, 83-90	0.9	3
10	Wave Interference for Pattern Description. <i>Lecture Notes in Computer Science</i> , 2011 , 41-54	0.9	1
9	Manifold learning for patient position detection in MRI 2010 ,		8
8	Manifold Learning for ToF-based Human Body Tracking and Activity Recognition 2010 ,		20
7	Multiple-Activity Human Body Tracking in Unconstrained Environments. <i>Lecture Notes in Computer Science</i> , 2010 , 192-202	0.9	9
6	Endoscopic video manifolds. <i>Lecture Notes in Computer Science</i> , 2010 , 13, 437-45	0.9	10
5	Probabilistic region matching in narrow-band endoscopy for targeted optical biopsy. <i>Lecture Notes in Computer Science</i> , 2009 , 12, 499-506	0.9	13
4	2008 ,		102

- 3 Robust Spectral 3D-Bodypart Segmentation Along Time **2007**, 196-211 1
- 2 Articulated Shape Matching Using Locally Linear Embedding and Orthogonal Alignment **2007**, 9
- 1 Articulated Shape Matching by Robust Alignment of Embedded Representations **2007**, 9