

Diana Mateus

List of Publications by Year in descending order

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59
papers

1,079
citations

623574

14
h-index

501076

28
g-index

62
all docs

62
docs citations

62
times ranked

1424
citing authors

#	ARTICLE	IF	CITATIONS
1	A Multiobjective Comparative Analysis of Reconstruction Algorithms in the Context of Low-Statistics ⁹⁰ Y-PET Imaging. IEEE Transactions on Radiation and Plasma Medical Sciences, 2022, 6, 629-640.	2.7	1
2	Leveraging Multi-Task Learning to Cope With Poor and Missing Labels of Mammograms. Frontiers in Radiology, 2022, 1, .	1.2	4
3	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. European Journal of Nuclear Medicine and Molecular Imaging, 2021, 48, 1005-1015.	3.3	35
4	Trainable Summarization to Improve Breast Tomosynthesis Classification. Lecture Notes in Computer Science, 2021, , 140-149.	1.0	2
5	IFSS-Net: Interactive Few-Shot Siamese Network for Faster Muscle Segmentation and Propagation in Volumetric Ultrasound. IEEE Transactions on Medical Imaging, 2021, 40, 2615-2628.	5.4	17
6	Looking for Abnormalities in Mammograms With Self- and Weakly Supervised Reconstruction. IEEE Transactions on Medical Imaging, 2021, 40, 2711-2722.	5.4	16
7	Leveraging RSF and PET images for prognosis of multiple myeloma at diagnosis. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 129-139.	1.7	22
8	Combining Superpixels and Deep Learning Approaches to Segment Active Organs in Metastatic Breast Cancer PET Images*. , 2020, 2020, 1536-1539.		7
9	Local-Mean Preserving Post-Processing Step for Non-Negativity Enforcement in PET Imaging: Application to ⁹⁰ Y-PET. IEEE Transactions on Medical Imaging, 2020, 39, 3725-3736.	5.4	2
10	Precise proximal femur fracture classification for interactive training and surgical planning. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 847-857.	1.7	21
11	Spatio-Temporal Consistency and Negative Label Transfer for 3D Freehand US Segmentation. Lecture Notes in Computer Science, 2020, , 710-720.	1.0	3
12	Uncertainty Measurements for the Reliable Classification of Mammograms. Lecture Notes in Computer Science, 2019, , 495-503.	1.0	9
13	Medical-based Deep Curriculum Learning for Improved Fracture Classification. Lecture Notes in Computer Science, 2019, , 694-702.	1.0	21
14	Spatial Compounding of 3-D Fetal Brain Ultrasound Using Probabilistic Maps. Ultrasound in Medicine and Biology, 2018, 44, 278-291.	0.7	8
15	Local-mean preserving post-processing for non negativity enforcement in ⁹⁰ Y-PET imaging. , 2018, , .		0
16	Capsule Networks Against Medical Imaging Data Challenges. Lecture Notes in Computer Science, 2018, , 150-160.	1.0	56
17	Optical classification of neoplastic colorectal polyps " a computer-assisted approach (the COACH) Tj ETQq1 1 0.784314 rgBT /Over 0.6 839		
18	Human Pose Estimation from Pressure Sensor Data. Informatik Aktuell, 2018, , 285-290.	0.4	5

#	ARTICLE	IF	CITATIONS
19	Ultrasound fetal brain registration using weighted coherent point drift. , 2017, , .		0
20	Guiding multimodal registration with learned optimization updates. Medical Image Analysis, 2017, 41, 2-17.	7.0	16
21	Automatic Classification of Proximal Femur Fractures Based on Attention Models. Lecture Notes in Computer Science, 2017, , 70-78.	1.0	12
22	Assisting the examination of large histopathological slides with adaptive forests. Medical Image Analysis, 2017, 35, 655-668.	7.0	3
23	Computer assisted optical biopsy for colorectal polyps. Proceedings of SPIE, 2017, , .	0.8	0
24	Learning Optimization Updates for Multimodal Registration. Lecture Notes in Computer Science, 2016, , 19-27.	1.0	9
25	A Deep Metric for Multimodal Registration. Lecture Notes in Computer Science, 2016, , 10-18.	1.0	104
26	Online tracking of interventional devices for endovascular aortic repair. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 773-781.	1.7	16
27	Robust Temporally Coherent Laplacian Protrusion Segmentation of 3D Articulated Bodies. International Journal of Computer Vision, 2015, 112, 43-70.	10.9	0
28	Automatic Guide-Wire Detection for Neurointerventions Using Low-Rank Sparse Matrix Decomposition and Denoising. Lecture Notes in Computer Science, 2015, , 114-123.	1.0	1
29	Computational Sonography. Lecture Notes in Computer Science, 2015, , 459-466.	1.0	4
30	Scale-Adaptive Forest Training via an Efficient Feature Sampling Scheme. Lecture Notes in Computer Science, 2015, , 637-644.	1.0	11
31	Stereo Time-of-Flight with Constructive Interference. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 1402-1413.	9.7	2
32	Ultrasound interactive segmentation with tensor-graph methods. , 2014, , .		0
33	A sparse approach to build shape models with routine clinical data. , 2014, , .		2
34	Leveraging Random Forests for Interactive Exploration of Large Histological Images. Lecture Notes in Computer Science, 2014, 17, 1-8.	1.0	12
35	A Quadratic Energy Minimization Framework for Signal Loss Estimation from Arbitrarily Sampled Ultrasound Data. Lecture Notes in Computer Science, 2014, 17, 373-380.	1.0	5
36	Detection and identification of macromolecular complexes in cryo-electron tomograms using support vector machines. , 2012, , .		11

#	ARTICLE	IF	CITATIONS
37	Computer-aided Diagnosis of Pigmented Skin Dermoscopic Images. Lecture Notes in Computer Science, 2012, , 105-115.	1.0	11
38	Human skeleton tracking from depth data using geodesic distances and optical flow. Image and Vision Computing, 2012, 30, 217-226.	2.7	162
39	Recognizing multiple human activities and tracking full-body pose in unconstrained environments. Pattern Recognition, 2012, 45, 11-23.	5.1	26
40	Endoscopic Video Manifolds for Targeted Optical Biopsy. IEEE Transactions on Medical Imaging, 2012, 31, 637-653.	5.4	30
41	Learning Manifolds. Advances in Bioinformatics and Biomedical Engineering Book Series, 2012, , 374-402.	0.2	1
42	Building Implicit Dictionaries Based on Extreme Random Clustering for Modality Recognition. Lecture Notes in Computer Science, 2012, , 47-57.	1.0	1
43	Tracking planes with Time of Flight cameras and J-linkage. , 2011, , .		10
44	STARS: A new ensemble partitioning approach. , 2011, , .		2
45	SLAM combining ToF and high-resolution cameras. , 2011, , .		20
46	Estimating human 3D pose from Time-of-Flight images based on geodesic distances and optical flow. , 2011, , .		49
47	Manifold learning for dimensionality reduction and clustering of skin spectroscopy data. Proceedings of SPIE, 2011, , .	0.8	1
48	Stereo time-of-flight. , 2011, , .		14
49	Fast Multiple Organ Detection and Localization in Whole-Body MR Dixon Sequences. Lecture Notes in Computer Science, 2011, 14, 239-247.	1.0	64
50	Targeted Optical Biopsies for Surveillance Endoscopies. Lecture Notes in Computer Science, 2011, 14, 83-90.	1.0	4
51	Manifold learning for patient position detection in MRI. , 2010, , .		10
52	Endoscopic Video Manifolds. Lecture Notes in Computer Science, 2010, 13, 437-445.	1.0	10
53	Manifold Learning for ToF-based Human Body Tracking and Activity Recognition. , 2010, , .		22
54	Probabilistic Region Matching in Narrow-Band Endoscopy for Targeted Optical Biopsy. Lecture Notes in Computer Science, 2009, 12, 499-506.	1.0	14

#	ARTICLE	IF	CITATIONS
55	Articulated shape matching using Laplacian eigenfunctions and unsupervised point registration. , 2008, , .		116
56	Robust Spectral 3D-Bodypart Segmentation Along Time. , 2007, , 196-211.		1
57	Articulated Shape Matching Using Locally Linear Embedding and Orthogonal Alignment. , 2007, , .		11
58	Articulated Shape Matching by Robust Alignment of Embedded Representations. , 2007, , .		10
59	Spectral Methods for 3-D Motion Segmentation of Sparse Scene-Flow. , 2007, , .		1