

Diana Mateus

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3474163/publications.pdf>

Version: 2024-02-01

59
papers

1,079
citations

623699

14
h-index

501174

28
g-index

62
all docs

62
docs citations

62
times ranked

1424
citing authors

#	ARTICLE	IF	CITATIONS
1	Human skeleton tracking from depth data using geodesic distances and optical flow. Image and Vision Computing, 2012, 30, 217-226.	4.5	162
2	Articulated shape matching using Laplacian eigenfunctions and unsupervised point registration. , 2008, , .		116
3	A Deep Metric for Multimodal Registration. Lecture Notes in Computer Science, 2016, , 10-18.	1.3	104
4	Fast Multiple Organ Detection and Localization in Whole-Body MR Dixon Sequences. Lecture Notes in Computer Science, 2011, 14, 239-247.	1.3	64
5	Capsule Networks Against Medical Imaging Data Challenges. Lecture Notes in Computer Science, 2018, , 150-160.	1.3	56
6	Estimating human 3D pose from Time-of-Flight images based on geodesic distances and optical flow. , 2011, , .		49
7	Optical classification of neoplastic colorectal polyps " a computer-assisted approach (the COACH) Tj ETQq1 1 0.784314 rgBT /Overlo 1.5 39		
8	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.	6.4	35
9	Endoscopic Video Manifolds for Targeted Optical Biopsy. IEEE Transactions on Medical Imaging, 2012, 31, 637-653.	8.9	30
10	Recognizing multiple human activities and tracking full-body pose in unconstrained environments. Pattern Recognition, 2012, 45, 11-23.	8.1	26
11	Leveraging RSF and PET images for prognosis of multiple myeloma at diagnosis. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 129-139.	2.8	22
12	Manifold Learning for ToF-based Human Body Tracking and Activity Recognition. , 2010, , .		22
13	Precise proximal femur fracture classification for interactive training and surgical planning. International Journal of Computer Assisted Radiology and Surgery, 2020, 15, 847-857.	2.8	21
14	Medical-based Deep Curriculum Learning for Improved Fracture Classification. Lecture Notes in Computer Science, 2019, , 694-702.	1.3	21
15	SLAM combining ToF and high-resolution cameras. , 2011, , .		20
16	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.	8.9	17
17	Online tracking of interventional devices for endovascular aortic repair. International Journal of Computer Assisted Radiology and Surgery, 2015, 10, 773-781.	2.8	16
18	Guiding multimodal registration with learned optimization updates. Medical Image Analysis, 2017, 41, 2-17.	11.6	16

#	ARTICLE	IF	CITATIONS
19	Looking for Abnormalities in Mammograms With Self- and Weakly Supervised Reconstruction. IEEE Transactions on Medical Imaging, 2021, 40, 2711-2722.	8.9	16
20	Stereo time-of-flight. , 2011, , .		14
21	Probabilistic Region Matching in Narrow-Band Endoscopy for Targeted Optical Biopsy. Lecture Notes in Computer Science, 2009, 12, 499-506.	1.3	14
22	Automatic Classification of Proximal Femur Fractures Based on Attention Models. Lecture Notes in Computer Science, 2017, , 70-78.	1.3	12
23	Leveraging Random Forests for Interactive Exploration of Large Histological Images. Lecture Notes in Computer Science, 2014, 17, 1-8.	1.3	12
24	Articulated Shape Matching Using Locally Linear Embedding and Orthogonal Alignment. , 2007, , .		11
25	Detection and identification of macromolecular complexes in cryo-electron tomograms using support vector machines. , 2012, , .		11
26	Computerâ€Aided Diagnosis of Pigmented Skin Dermoscopic Images. Lecture Notes in Computer Science, 2012, , 105-115.	1.3	11
27	Scale-Adaptive Forest Training via an Efficient Feature Sampling Scheme. Lecture Notes in Computer Science, 2015, , 637-644.	1.3	11
28	Articulated Shape Matching by Robust Alignment of Embedded Representations. , 2007, , .		10
29	Manifold learning for patient position detection in MRI. , 2010, , .		10
30	Tracking planes with Time of Flight cameras and J-linkage. , 2011, , .		10
31	Endoscopic Video Manifolds. Lecture Notes in Computer Science, 2010, 13, 437-445.	1.3	10
32	Learning Optimization Updates for Multimodal Registration. Lecture Notes in Computer Science, 2016, , 19-27.	1.3	9
33	Uncertainty Measurements for the Reliable Classification of Mammograms. Lecture Notes in Computer Science, 2019, , 495-503.	1.3	9
34	Spatial Compounding of 3-D Fetal Brain Ultrasound Using Probabilistic Maps. Ultrasound in Medicine and Biology, 2018, 44, 278-291.	1.5	8
35	Combining Superpixels and Deep Learning Approaches to Segment Active Organs in Metastatic Breast Cancer PET Images*. , 2020, 2020, 1536-1539.		7
36	A Quadratic Energy Minimization Framework for Signal Loss Estimation from Arbitrarily Sampled Ultrasound Data. Lecture Notes in Computer Science, 2014, 17, 373-380.	1.3	5

#	ARTICLE	IF	CITATIONS
37	Human Pose Estimation from Pressure Sensor Data. Informatik Aktuell, 2018, , 285-290.	0.6	5
38	Computational Sonography. Lecture Notes in Computer Science, 2015, , 459-466.	1.3	4
39	Targeted Optical Biopsies for Surveillance Endoscopies. Lecture Notes in Computer Science, 2011, 14, 83-90.	1.3	4
40	Leveraging Multi-Task Learning to Cope With Poor and Missing Labels of Mammograms. Frontiers in Radiology, 2022, 1, .	2.0	4
41	Assisting the examination of large histopathological slides with adaptive forests. Medical Image Analysis, 2017, 35, 655-668.	11.6	3
42	Spatio-Temporal Consistency and Negative Label Transfer for 3D Freehand US Segmentation. Lecture Notes in Computer Science, 2020, , 710-720.	1.3	3
43	STARS: A new ensemble partitioning approach. , 2011, , .		2
44	Stereo Time-of-Flight with Constructive Interference. IEEE Transactions on Pattern Analysis and Machine Intelligence, 2014, 36, 1402-1413.	13.9	2
45	A sparse approach to build shape models with routine clinical data. , 2014, , .		2
46	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.	8.9	2
47	Trainable Summarization to Improve Breast Tomosynthesis Classification. Lecture Notes in Computer Science, 2021, , 140-149.	1.3	2
48	Robust Spectral 3D-Bodypart Segmentation Along Time. , 2007, , 196-211.		1
49	Spectral Methods for 3-D Motion Segmentation of Sparse Scene-Flow. , 2007, , .		1
50	Manifold learning for dimensionality reduction and clustering of skin spectroscopy data. Proceedings of SPIE, 2011, , .	0.8	1
51	Automatic Guide-Wire Detection for Neurointerventions Using Low-Rank Sparse Matrix Decomposition and Denoising. Lecture Notes in Computer Science, 2015, , 114-123.	1.3	1
52	Learning Manifolds. Advances in Bioinformatics and Biomedical Engineering Book Series, 2012, , 374-402.	0.4	1
53	Building Implicit Dictionaries Based on Extreme Random Clustering for Modality Recognition. Lecture Notes in Computer Science, 2012, , 47-57.	1.3	1
54	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.	3.7	1

#	ARTICLE	IF	CITATIONS
55	Ultrasound interactive segmentation with tensor-graph methods. , 2014, , .		0
56	Robust Temporally Coherent Laplacian Protrusion Segmentation of 3D Articulated Bodies. International Journal of Computer Vision, 2015, 112, 43-70.	15.6	0
57	Ultrasound fetal brain registration using weighted coherent point drift. , 2017, , .		0
58	Local-mean preserving post-processing for non negativity enforcement in 90Y-PET imaging. , 2018, , .		0
59	Computer assisted optical biopsy for colorectal polyps. Proceedings of SPIE, 2017, , .	0.8	0